

QCWA



QUARTER CENTURY WIRELESS ASSOCIATION, INC.

JOURNAL

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QUARTER CENTURY WIRELESS ASSOCIATION, INC.

QCWA ELECTIONS - NATIONAL CONVENTION

Kansas City, MO - February 20, 1990. The Midcontinent Chapter of QCWA is setting a pace for the Fall National Convention which will surely end in all of them being candidates for valium! That gang never misses a chance to "holler and shout" about QCWA and the coming Fall bash in KC, MO. You can read their preliminary info sheets in this issue of the Journal and, at the same time take the step of committing yourself to attend that auspicious event. Kansas City couldn't better located for all QCWA members - there is excellent air service into the area and, it is famous for making visitors feel at home. Read and Register - "R & R" is the word! Be seeing you there!

Irving, TX - February 3, 1990. The QCWA Board of Directors is scheduled to meet in Irving April 20 and 21, and while the agenda is going to be a large one, there is time yet for membership input to the Board. If you have suggestions, etc., contact any Board member. See Page 3 of the Journal for Officer/Board member names, addresses and telephone numbers.

Charlottesville, VA - January 17, 1990. President Harry Dannals, W2HD, has

written to urge members to review the candidates who have been nominated for the office of Director in QCWA (see this issue) and to vote your preference in this important election.

tion of all Officer and five Director positions (see p 13).

Stevensville, MD - February 25, 1990. Walt Brink, W3WPY has announced that logs for the CW portion of the 1990 QSO Party are coming in a landslide. By all accounts the Party was one of the best attended to date and, as usual, with the boys who really hang in there, we're going to see some pretty high scores. If you haven't sent your logs in to Walt, do it now, if it isn't already too late.

Irving, TX - February 25, 1990. The long awaited QCWA 1990 membership Directory is coming along in good shape and will go to the printer very soon. Announcements will appear in the HLR concerning actual date of shipment.

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Freeport, NY - December 30, 1989. Mike Orofino, W2KO, Chairman of the QCWA Nominating Committee responsible for a slate of candidates for the 1991 elections, asks that all members contact any member of the nominating committee with recommendations for candidates for the 1991 elections - that election will include elec-

QCWA ON THE AIR MEETING
SSB, Every Sunday Afternoon
2000 GMT, 14,347 kHz
W6FQ
CW, each Wednesday Evening
8:00 PM Eastern Time, 7035 kHz
W5QU / W4PI

QUARTER CENTURY WIRELESS ASSOCIATION, INC.
1409 Cooper Dr, Irving, TX 75061-5527

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HONOR AWARDS

QCWA HONOR AWARDS ARE ADMINISTERED BY THE QCWA BOARD OF DIRECTORS

ELIBILITY FOR REQUIREMENTS AND NOMINATIONS FOR THE AWARDS

MAY BE MADE THROUGH ANY OFFICER OR DIRECTOR

QCWA HALL OF FAME

1980	Mr. Ray Meyers, W6MLZ
1981	Mr. Bill Halligan, W9AC
1982	Mr. Barry Goldwater, K7UGA
1983	Mr. Jean-B. Wolff, LX1JW
1984	Mr. Don Wallace, W6AM
1986	Mr. George Sterling, W1AE
1987	Mr. Victor Clark, W4KFC

DISTINGUISHED SERVICE AWARD

1975	Mr. A. L. Walsh, W2BW
1979	Mr. Mark Devaney, K4IDC
1988	Mr. David Talley, W2PF
1989	Mr. Hugh Turnbull, W3ABC
	Mr. Fred Hammond, VE3HC

MEMBER OF THE YEAR AWARD

1979	Mr. Ed Trombley, W8CAM
1981	Mr. Lew Sieck, K4NE
1982	Mr. Herb Gleed, W6FQ
1984	Mr. Bert Gunn, W5FU

ROLL OF HONOR AWARD

1981	Mr. John DiBlasi, W2FX
1985	Mr. Gus Gironda, W2JE
1986	Mr. Bud Waite, W2ZK
1987	Mr. Earl Thomas, W2MM
1989	Mr. Ralph Barber, W2ZM
	Ms. Ethel Smith, K4LMB
	Mr. Leland Smith, W5KL

JOHN Di BLASI AWARD

1984	Mr. Hal Sears, W5NC
1986	Mr. Owen Garriott, W5LFL
1988	Mr. Clarence Seid, W2KW
1989	Mr. Frank Lester, W4AMJ
	Mr. Ralph Hasslinger, W2CVF
	Mr. Irving Groves, K4HT
	Mr. Nat Burnett, K4OL
	Mr. Moe Joffe, W6PHE
	Mr. Robert Baird, W9NN

The QCWA JOURNAL

Volume 39

No. 1

QCWA PRESIDENT'S MESSAGE

Have you ever been asked, "Why should I enjoy the XYZ Club? What is in it for me?" There is little doubt that you have heard those questions several times even if they were not addressed directly to you. It is all too common for the greater majority to ask over and over again what rewards, compensations, or enjoyment will result from membership in a club, association, or whatever organization. Is there anything really wrong with such questions? The answer depends on a number of factors.

First of all, there are large numbers of persons whose time is so valuable that they cannot afford to spend time in relaxation or social activities unless there is some form of financial reward. There are others who expend so much effort in their daily job and family activities that there are few, if any, hours left to spend on any outside interest. Last, but by no means least, is that unique individual who always seems to find time to do everything.

There are few of that unique type, but you will find them holding office or working on committees in all types of non-profit organizations. They plan and execute the activities for the enjoyment of the membership. They ask little other than your support at a meeting. On occasions, their programs may not be carried out in a most complete or professional manner. A member's enjoyment may not be fully realized and it's easy to say, "There's nothing for me in this association!"

That's not necessarily true. A club, association or organization develops a personality over time. This personality is developed by the many minds which have been engaged in the birth and growth of the group. Your input, no matter how small, can help those in the front ranks who carry the responsibilities on a daily basis.

And so it is with QCWA. We have thriving chapters and those trying to remain afloat. This is one case where adding more will not sink the ship. Adding your participation . . . as active as you can make it . . . will help the ship to remain afloat and steer the course which will answer that question, "What's in it for me?" We do not expect to bring aboard the person who seeks only financial reward. We do not expect to bring aboard the person whose job and family demands leave little time for anything else.

We do hope to attract that vast majority who can join, who can be of assistance with a helping word or hand on an occasion or two. If you know that person, extend a hand of invitation to join our QCWA. You may be signing up the next officer of the chapter or a future officer of the organization. That familiar question will have been answered. A recent president of the United States once said, "Ask not what your country can do for you. Ask what you can do for your country." 73.

/s/ Harry, W2HD

1989-1990 QCWA OFFICERS & DIRECTORS

Harry Dannals, W2HD, President	804 974 7388
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THOSE WHO HAVE SERVED

PAST PRESIDENTS

John DiBlasi, W2FX*	1947-1964
Earl R. Thomas, W2MM*	1965-1968
Clarence Seid, W2KW	1969-1971
Barry Goldwater, K7UGA	1972-1973
Frank A. Gunther, W2ALS	1974-1977
Harry S. Gartsman, W6ATC	1978-1981
Stuart Meyer, W2GHK	1982-1985
Leland Smith, W5KL	1986-1989

EXECUTIVE SECRETARY/GENERAL MANAGER

Ralph Barber, W2ZM*	1955-1964
Gus Gironda, W2JE	1965-1973
Ethel Smith, K4LMB	1974-1976

*Silent Key

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EDITORS'S COMMENTS AND MAILBAG

A PLEA FOR YOUR EYE AND EAR!

It is rare for an editor to humbly ask help - but the time has come for that very thing to happen. As you know, editors have the time honored reputation for chewing tobacco and swearing up a storm. Well, these things simply won't help Amateur Radio, and believe me it needs help. Please take a deep breath and mush on --

I have been listening on the bands - no QSOs - just listening to comments by active amateurs. Fortunately many of the comments heard are worthwhile thought-provoking opinion. This we need - the exchange of thoughts and opinions. Such discourse can be highly valuable provided the opinions expressed are based on factual information. By this is meant that when you speak out do all possible to insure that your opinions are not hearsay or fictional..

Too often I hear remarks which indicate the speaker is displeased by some past action of the ARRL. Generally the speaker expresses his displeasure in colorful terms, even if it concerns an alleged action of the League that might have occurred twenty-five years ago. Generally such statements are accompanied by a statement something like - 'they took my frequencies away and I don't trust them any more.' When an inquiry is voiced as to whether the displeased amateur is a member the reply, often accompanied by colorful language is definitely "NO".

The ARRL was established by some very wise men and in setting up the organization, they provided ways and means for we, the members of the League, to insure that it operates in the interests of Amateur Radio. If it does not do this, the fault is not the ARRL - it is EQUALLY the fault of ALL amateurs, those who are members as well as those who are not. There is absolutely no question but that in so far as the Government is concerned, that the ARRL represents Amateur Radio. If you do not have a voice in the actions of the League it is your fault. ARRL membership is a requirement for all amateurs - simply because that membership is your only way to impact actions of the League taken on behalf of ALL amateurs.

It should be unnecessary to remind amateurs that, not every action of the League, or for that matter your U. S. Government, can please everyone. There will be times when your elected representatives, ARRL or Federal Government, will adopt policies and actions that do not personally agree with your thoughts. This is inevitable but, that does not mean your opinion has not been considered. It tends to mean that your opinion simply did not have support of sufficient numbers of amateurs to make it acceptable to the ARRL governing body - a body charged with taking actions in the best interests of ALL amateurs! When enough amateurs agree with your stand, it will get consideration due.

The League has made improper moves in the past - it will do so in the future but, the occurrence of poor judgement will be lessened when your voice is heard.

We need now, as never before, a unified voice. The Federal Government will be reviewing policy with respect to the use and management of radio-frequency spectrum. We face international conferences which will impact ALL users of spectrum. To this end Government is inviting public comment on all phases of use. The

range of subjects is overwhelming but, you, as a user of spectrum must be aware of what is being considered, and making certain that those who are in decision making positions are well advised. If you haven't read the NTIA paper you are leaving amateur radio in the lurch! The paper has been available from the League for some time now, you can get it by sending a large SASE with 3 units of postage to the ARRL Regulatory Information Department. Write for it today - you may be too late to comment but, you must be informed so that you can communicate through your elected ARRL Representatives. The League will file comments - again, working for ALL amateurs, whether members of the League or not!

Finally - QST is a fine organ - it has been an amateur bible for more years than I like to consider. The wonder of it all is the way in which the ARRL has, in spite of a good deal of complaint, adhered to the policy of publishing information about ALL phases of amateur radio - not just "how to build it" or SSB or CW or whatever but, information designed to keep you, an amateur, aware of all facets of regulation, etc., needed so that you can properly provide reasoned input to your representatives who will, you may be certain, listen and be influenced. So, read your QST, browse through it slowly - spend an entire evening at it - I guarantee you will find information on more than you would ever believe possible - and, then, when you express an opinion it will be based on the best information available.

"JERKS" IN HAM RADIO - WHAT TO DO?

The seemingly ever-present malicious interference suffered by many amateurs, by regular net get-togethers and by those active in emergency communications via amateur radio were duly noted in the recent activities brought about by the Carolina's Hurricane and the San Francisco Earthquake. The problem is pervasive, it is not likely to go away. The amateur radio service has long suffered at the hands of a group of misfits who do all possible to destroy the effectiveness of the Service in normal as well as emergency times. The interference is deliberate and those who create the problem, being "Jerks" are unreasoning and incapable of understanding themselves or their actions.

The FCC has chosen to do nothing about the problem and that it seems leaves it strictly up to the Amateur Service. We have always prided ourselves on being a self-policing group of citizens. In general we have been complimented for our ability to take care of our problems. Well, we have a problem to take care off - Malicious Interference - How to do it?

There is a way the matter can be reduced to manageable size and perhaps it has reached the point that QCWA should take the lead to establish procedures by which these poor "Jerks" can be absolutely identified, can be observed in the act, and legal proceedings undertaken to take them off the air, and to keep them off. To suggest that this sort of activity is a "piece of cake" is pretty silly but, it matter can be brought under control.

QCWA is uniquely endowed with experienced and brainy members who, given the go-ahead, could get the job done. Let me outline briefly a possible approach. QCWA members could be offered the opportunity to associate with a QCWA Emergency Monitoring



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EDITOR'S COMMENTS AND MAILBAG

Group (QCWA EMG). This group would be mobilized upon call of QCWA EMG officers for test, or in the event of need by the Public for the Amateur Radio Service in Emergency situation. Member of QCWA EMG would be charged with equipping their stations with suitable direction-finding equipment for frequencies through 30 MHz. This would require a minimum, a rotatable loop whose orientation could be read to ± 2 degrees True North. Each station would have suitable maps on hand, and each station would be able to communicate with the Net Control Station on any of the bands to be monitored. Each participant would be required to participate in drill tests. It is possible to visualize for example, that emergency conditions exist, and that severe interference is being experienced by traffic stations. QCWA could call QCWA EMG stations for monitoring service in Boston, Buffalo, Baltimore, Tampa, New Orleans, Nashville, Minneapolis, Denver, El Paso, Las Vegas, Yakima, Seattle and San Diego. All would take bearings on the offending signal(s) simultaneously, under direction of net control. Each would report the bearing determined. These would be immediately placed on a suitable map. With so many monitoring reports available propagation vagaries and loop anomaly problems would be minimized. If needed, additional reports could be requested. As soon as net control has determined the probable area in which the interfering station is located, net control would ask members in that local area to give signal reports and if possible added bearing reports. Cars provided with loops could be dispatched to work right into the location of the offending station. With a good sized crew of QCWA EMG members working, the whole process could be completed and less than a hour.

As can be seen, the process is not "a piece of cake" but, in our opinion it can be made to work and, it would provide an exciting and satisfying activity for the most avid ham. Periodic tests would be required, where members would participate in "DF" day, to determine the availability of man-power, and the accuracy of results to be achieved. Recognition of participants could be arranged through QCWA Chapters. Such "DF" days would certainly demonstrate the effectiveness of the program and illuminate areas in which improvements could be made.

This office (the editor) has a small loop, rectangular 6" x 9" of the shielded variety, located on a small stand with a protractor, setting less than 2-feet from the TS-830 and inside the house. By taking 10 quick bearings (less than 30 seconds of time) and averaging the readings, I am able to consistently determine the true bearing toward WWV on 5 MHz, to better than ± 5 degrees. The loop anomaly is unimportant in these tests, as it would be in the test procedure discussed above. With widely divergent observers reporting, the area in which an interfering station is located would be quite obvious.

It is possible that tests using a rotatable dipole to ascertain the "off-the-end" null direction toward an interfering signal might prove to be of usable accuracy. Controlled DF tests could establish the utility of this, as well as other possible antennae configurations.

It is the opinion of this writer that such a project would serve the interests of the Amateur Radio Service and Public Interest, and be well within the abilities of QCWA membership to organize and

operate. I see it as an exciting activity for any chapter - work requiring those with organization and planning skills, those with electronic and experimental skills, those with operation skills and, those with public-relations skills. All brought together could really do a job. And, once operational and proven, one can be pretty certain that considerable QRM would be eliminated by the fear stimulus alone -- the "jerks" would never know for certain that QCWA wasn't beaming in on them!

Is this an area in which QCWA might really serve - is it an area in which we should serve? What do you think?

MAKES YOU WONDER!

We have just read a report that Government Agencies have become convinced that the food we eat causes cancer. Ye Gads! - it calls to mind the cartoon I saw a few years ago, a prophecy if ever there was one - the cartoon pictured a group of white robed scientists clustered about a huge computer, all displaying unmistakable signs of dismay and the caption reading - "the computer states that 'EVERYTHING' causes cancer!"

ON A 2-METER CALLING FREQUENCY

David C. Bland, KB0GR
19301 Holke Rd, Independence, MO 64057-1405

I read with interest your fine suggestion of providing a QCWA calling frequency for traveling (or local) members.

Unfortunately, what appears to be a simple and well meaning suggestion can be fraught with pit falls because of lack of adherence to the national 2-meter band plan. Specifically, some areas of the country have chosen to operate on 20 kHz channel widths, while the balance of the country adheres to the ARRL's 15 kHz channel width plan. Other than for weak signal activity (144.000 - 144.300 MHz) and satellite (space) communication (144.300 - 144.600 MHz) the two-meter band is completely channelized (either 15 kHz or 20 kHz) whether for FM repeater, FM simplex voice, or FM digital modes. It is not enough to 'check to see if repeater operation is generally "assigned" on frequencies between 146.40 and 146.62 MHz.'

As a result of the above, your suggestion of 146.44 MHz would not be appropriate for the majority of the country, who have chosen to adhere to the ARRL 15 kHz channel plan. This suggested operation would cause interference to two of the channels (146.43 and 146.445 MHz) in the nationally established ARRL band plan.

I suspect that whatever frequency or channel you choose, you'll find a conflict in either the frequency you choose, or in use of the channel if an established channel. For instance, in the Kansas City area, the ARRL established channel frequency of 146.43 MHz is used by the major area amateur club as their calling/working channel.

Perhaps a more acceptable approach would be to encourage each Chapter to designate a specific simplex or repeater channel to which a large number of the area QCWA members monitor. This method would allow the designated channel to be consistent with the channelization plan and channel utilization for the area. The various



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EDITOR'S COMMENT & MAILBAG

designated channels could be published in the Journal for traveling members. . . . I look forward to seeing additional commentary on your suggestion for traveling members, and appreciate your efforts to achieve such.

MORE ON A CALLING FREQUENCY

Walter Wiederhold, W5OGZ
2812 Pritchett, Irving, TX 75061-5527

Dear Ted:

Re your letter of January 1, 1990 about the use of 146.44 as a Country-wide calling frequency.

I am not the Texas State Frequency Coordinator any more since I turned over the reins to Merle Taylor, WB5EPI. I will discuss the subject though and make some comment - although the repeater frequency coordinator has no control over simplex frequency use. (If he has any control at all).

In looking through the ARRL Repeater directory I found one repeater in New York with its output on 146.43. Seems they didn't read the ARRL band plan. I am still trying to find an input on 146.43. Not even one in California where they have weird splits. I could have missed one. Of course 146.44 wouldn't work in the Kansas City area where they are using a repeater input frequency for simplex. (146.43). 146.44 would work pretty well everywhere except Brooklyn and Kansas City; and the State of Utah where that's a State wide RACES frequency. Let those areas have an alternate frequency.

Starting this late in the game (1970 would have been better) it is hard to find anything that doesn't clash with something.

I would suggest something in the 145.51 to 145.70 area. Packet has taken over the 144.91 to 145.09 range. Even the local W5JNK frequency of 147.495 has been changed because of some other group infringing on its territory. 146.52 is the national calling frequency and is frequently monitored.

NATIONAL CALLING FREQUENCY OK!

Cliff Long, AA5HT
2812 Raymar, SW Albuquerque, NM 87105

I think a simplex frequency for QCWA contacts would be a great idea. It would be especially useful when travelling across the country. 146.44 MHz would do just fine.

MUSINGS BY AN OLD-TIMER!

Robert Boller, N0RB
MPO Box 77, Hermitage, MO 65668-0077

I read the Winter 1989 Journal and feel that I must comment. I agree that numbers count whether it be QCWA, ARRL, AARP, NRA etc. . . so it would seem amateur radio must play the numbers game to survive. And, the more good publicity for amateur radio the better. "Sell" in other than amateur media.

Once it was necessary for most of us to build our own gear. I wonder how many now build their SSB transceivers with all the bells and whistles . . . not many I'm sure. So, it would seem that tests for an amateur radio license should be directed toward good operating procedure, courtesy, knowledge of how to operate a receiver, transmitter and transceiver, how a repeater works, how to build and test antennas, how radio waves are propagated and how special communication systems, RRTY, PACKET, AM/FM/SSB, TV, ASCII are generated and received. Do we need to explain a Hartley oscillator? Oh, it's not in there you say!

I always supposed amateur radio was an international service. Having worked in countries other than the USA and having been an international technical correspondent for several years for Collins Radio, I know, well at least 20 years ago, knew a Phillips screwdriver was a "special tool" in some countries. Please don't try to tell me that the rest of the world will jump on the digital bandwagon. CW has a long life ahead - worldwide. Also, let's not forget that Amateur Radio can promote worldwide goodwill - if we do it right! "Q" signals and telegraphers abbreviations allow us to rub two wires together and communicate without language barrier; and, the human mind is great too, as it will let you receive a message - even with interference bother - with a few "hits in it". The information is there. Packet screeches over and over trying to get it right - to the last "bit".

Maybe the amateur radio test should have questions about "language CB-101". Listen to two-meter repeaters and you need "language CB 101" with "come back", "making the trip" "walked on" with a few "10 4's good buddy" now and then along with "guide wires", "73s", "SWRs", "hammers" and lots of real poor grammar. What an impression we must make with John Q. scanner listener. It's like a hillbilly party-line of the past.

I wonder if one in ten of us know how to compose an ARRL message or even know of ARL numbered radiograms. If we are such a great service in time of emergency it might just be a good idea that we be tested about message handling so that, once at least, we know something of that phase of amateur radio and use it in our "great" public service.

I'm still smarting about my first telephone license being downgraded. I trust that QCWA "WATCHDOGS" will be watching the policy review by NTIA - to minimize possible detriment to the Amateur Radio Service.

Yes, I know some of you don't like the ARRL. Nothing is all good or all bad. When the hair gets gray, one learns that quitting may not be the answer; instead, stick in there and try to change what you don't like. No organization can please everyone! Finally, if "no code" licensing happens, let's leave the "no coders" the option of working CW in the novice "International Code" frequencies. They might learn to like it.



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SOME THOUGHTS BY AN OLD TIMER!

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MPO Box 77, Hermitage, MO 65668-0077

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ON EMERGENCY OPERATIONS

Elsewhere in this Journal we have discussed the Jerks in amateur Radio who derive their kicks by annoying others. The guys who cheerfully tune up on your QSO, or your schedule, or your net operations. These guys are flawed and while we can hope for divine intervention, it is not likely to happen. Editorial ranting and raving certainly contribute little except to reduce the editor's blood-pressure.

There is yet another Jerk - the one who appears in nearly every human endeavor . . . the wonderful guy who, suddenly becoming aware of existence of an emergency, simply has to come in with 10 kW (can anyone explain why this type of guy always has a signal 20 dB over s-9?) and offer his assistance. You hear them in every emergency communication situation. Breaking in to offer help . . . this in spite of the fact that they have probably never originated a message . . . have absolutely no sense of emergency conditions operations. Their heart is in the right place but their head is screwed on wrong. Emergency operations, if they are to be meaningful to authorities as well as the general public, must be handled by men and women who have trained for the work, have worked and drilled so that when emergency conditions arise, they can function rapidly and accurately. Without such training and drilling, no matter how much you would like to help, you cannot do anything except to disrupt emergency communications. If there is one valid rule for amateur operations in emergency conditions it is:

IF YOU ARE NOT PREPARED BY TRAINING
AND EXPERIENCE
KEEP YOUR RIG OFF THE AIR AND KEEP YOUR MOUTH
TIGHTLY SHUT!

Net control stations operating in emergency circumstances can function only in the situation where they control all transmissions. They know how to do this, and spend many hours preparing themselves for the emergency. Give them a chance. And, remember, they probably have good sense, and should they need help, they will ask for it! If you really want to help, contact your emergency coordinator, get involved with training procedures, and when trouble pops up again, as it surely will, you'll be in on the ground floor, doing a job for the public as only Amateur Radio can do it!

- Editor -



QCWA JOURNAL

SPRING, 1990
VOLUME 39, No. 1

EDITOR'S COMMENT AND MAILBAG

ENJOYS EFFORTS BY W5HD!

Bob Rickey, N6P
8531 Red Hill Country Club Dr
Rancho Cucamonga, CA 91730

A very interesting article appeared in the Winter, 1989 QCWA Journal. It is titled "The Pioneers" and was written by our Vice President, Hugh Winter, W5HD. It is a continuation of an article by the same title appearing in the Fall Journal. It, too, is an interesting article. The QCWA Journal is a very fine publication but it can be made even better if some of the members would take the time and effort to write articles of this calibre. How about it fellows?

RUSS LENDS A HELPING HAND

Russ Patrick, W7IDZ
Rt 1, Box 167, Touchet, WA 99360

On page 131, Winter QCWA Journal, help is asked to locate members who may be SK or dropouts - I can help with one - John Claarcoats, G6CL (380).

I met that gentleman in the Fall of 1944 at the First Anglo-American Hamfest in London, England. The next day three of we Yanks from the 351st Bomb Group of the 8th Air Force went to his office and joined RSGB. At that time he was the top guy in the organization. The address for RSGB VHF/UHF Newsletter is:

RSGB
Lambda House, Cranbourne Rd
Potters Bar, Hertfordshire,
England, EN6 EJE

The other two Yanks from the Air Base called "Polebrook", were Ed Webb, W9IPO (5594) at that time a civilian type Boeing Technical Rep. The second was Vincent Acunto, W2HGP, Radar Maintenance Officer and, of course the 3rd was me, Russ, W7IDZ.



The picture above, taken at Polebrook, England in May, 1945, shows Russ, W7IDZ 45 years ago!

GREETINGS FROM QCWA IN KOREA!



The above picture was received from

Pusan, Korea - QCWA member Byong-joo Cho, KL5AP pictured at the operating position of his modern ham shack!

HOW DOES THIS STRIKE YOU?

- Just a few days ago we received a communication from
- George Sperry, W4UKA, who together with an old friend,
- came up with what we think is a really great idea. George
- Suggests that QCWA Chapters set up a procedure which will
- bring them the QCWA gold pins of all members who become
- Silent Keys, and that these pins be attached permanently to
- the Chapter Banner so that they may be observed as memo-
- rials to our old friends.
-
- I can visualize how this would appear with the Banner
- hanging near the rostrum at each meeting. Since speaking
- with George, I have given a good deal of thought to the
- matter and can see how in time the banner would become a
- very heavy article and hard to roll and stow between meet-
- ings. For this reason, in due time another method of display-
- ing the pins of our SK friends would need to be established.
- It is my first thought that a special MEMORIAL QCWA
- BANNER, perhaps 18 x 24 inches, with a 5 or 6 inch logo in
- the center, and a gold border around the edge, could be
- prepared. Pins would be attached around the perimeter of
- the logo until the banner is filled - probably would take 10 or
- 15 years before problems of space would arise.
-
- The smaller Pin Banner would be easy to roll and stow and
- the weight would be reasonable to handle. Your thoughts
- and opinions in connection with the Special Memorial Ban-
- ner are welcomed. Meantime, why not set the wheels
- working in your Chapter to get procedures set up so that SK
- Member Pins will come to the Chapter and begin right now
- attaching them to your Chapter Banner. A nice way to
- remember your pal!



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FCC NEWS RELEASE ON PROPOSED NO-CODE LICENSING

Following is a copy of the news release issued by the FCC, February 8, 1990
with respect to the expected announcement of Rule Making for
NO CODE LICENSING

Watch for release of Docket 90-55, read and digest it, then contact your QCWA Officer(s)
to give them your reasoned thoughts regarding the proposed Rule Changes

The FCC has issued a Notice of Proposed Rulemaking in a new proceeding, PR Docket No. 90-55 with the goal of establishing a No-Code amateur license.

This proposal differs from that proposed by the ARRL in RM-6995. A comment period of six months beginning with publication of the proposal in the Federal Register, followed by a one-month period for reply comments.

Following is the text of the FCC news release regarding the anticipated FCC No-Code class of license for amateur radio:

Report No. DC-ACTION IN DOCKET CASE February 8, 1990

FCC PROPOSES NEW CODELESS CLASS OF AMATEUR OPERATOR LICENSE (PR DOCKET 90-55)

The Commission is proposing to amend its rules by establishing a codeless class of amateur operator license to be called the Communicator Class. The Communicator Class would be incorporated into a simplified licensing structure containing four ascending steps: 1) Communicator 2) General 3) Advanced, and 4) Amateur Extra Classes. Current Technician and Novice Class operator licenses would be grandfathered indefinitely, with no new licenses issued for those license classes but existing licenses could be modified or renewed.

The codeless operator class license would satisfy three major objectives. The first objective is to offer an entry level license for all persons who find telegraphy a barrier to pursuing the purpose of the amateur service. The second objective is to design a codeless license that can easily be implemented into the current licensing process. The third objective is to avoid any negative effect upon current licensees, the volunteer examiner who administer amateur examinations, or the Commission's workload.

The amateur service exists for the purpose of self-training inter-communication and investigations to be carried out by duly authorized persons interested in radio technique

solely with a personal aim, and with financial gain. Individuals seeking a license to operate an amateur station must prove that they can send correctly by hand and receive correctly by ear, text in Morse code signals. Although this requirement may be waived for an operator of an amateur station transmitting only on frequencies above 30 MHz, each of the five classes of operator licenses issued by the Commission requires the applicant to pass an examination in the International Morse Code.

The Communicator Class Operator license would not require knowledge of Morse code telegraphy messages. Privileges for the Communicator Class would include all emission types. The Communicator Class license would replace two existing beginner operator classes and would simplify the amateur operator license structure.

The Commission would require applicants for the Communicator Class license to pass a 60 question written examination. The new question pool would be comprised of the questions from the two pools currently used in the Novice and Technician license examinations as well as the addition of new questions.

The proposed transmitter power for the Communicator Class would be 200 watts peak envelope power and the licensee's station would be eligible for a Group D call sign. Stations with Communicator Class control operators would not be permitted to transmit on the 2 and 6 meter VHF bands and the HF bands. The Commission is requesting comments on the effect of excluding Communicator Class licensees from the two VHF bands. Comments are also requested on the desirability of including the opportunity for Communicator Class licensees to experience on-the-air telegraphy operation on the HF bands. Additionally, a Communicator Class licensee who passes or receives credit for a telegraphy examination would be authorized the privileges of the Technician Class.

The Commission is requesting comments on all aspects of this proposal.

Action by the Commission February 8, 1990, by Notice of Proposed Rulemaking (FCC 90-11). Commissioners



CANDIDATES FOR OFFICE, 1990 ELECTIONS

The year 1990 is a so-called off-year election - that is, we will be electing five directors only. None of the officer positions are open on even-numbered years. A brief review of the candidates experience, qualifications and plans for QCWA are listed below. Read the material before making up your mind to support a candidate. Ballots will be prepared and placed in the mail about May 15, 1990, and the polls will remain open until the end of the day, July 31, 1990. Support your candidates and be sure to watch for your ballot and vote!

Milton E. Chaffee, W1EFW, first licensed 1932, General Class, State of Connecticut. Served during WWII the AACs involved in all phases of communications at airport, Naples, Italy, two years.

Milton is a former member of several local municipal committees and groups including town council, police commission and Chamber of Commerce. Charter President, Southington Lions Club, 1942 and still an active member. Served as New England Director, ARRL, 1957 - 1964 with membership on Executive and Finance Committees. Former treasurer, Pioneer Valley Radio Association operator of five 22-meter repeaters in Connecticut. Treasurer of Amateur Radio News Service, two terms. Founding President of Nutmeg Chapter No. 149, QCWA. Milton is married, two adult children and two granddaughters.

"If elected a QCWA Director, I plan to actively support contact with Chapters and radio clubs to further the welfare of amateur radio. I would aid and support the maximum public relations favorable to amateur radio."



Lew McCoy, W1ICP was first licensed as W9FHZ (Chicago) and later, W0ICP (Missouri). He holds an amateur Extra Class license. W1ICP is a member of numerous amateur and professional organizations, and holder of the Dayton Technical Achievement Award (1988). He has DXCC on both phone and cw with over 370 worked. W1ICP operates all bands from 160 through 450 MHz and is part owner of a remote base and repeater group.

In 1949 he went to work for the American Radio Relay League headquarters in the ARRL Technical Department where he remained until retiring in 1980 as Senior Asst. Technical Editor. In the early 50's Lew toured the United States and Canada lecturing on the causes and cures for TVI. During his career he wrote a monthly technical article and developed many circuits including the famous Monimatch and the Ultimate Transmatch. After retiring with 30+ years from ARRL, he accepted the position of Technical Editor of CQ Magazine and continues in that post today.

As Lew says, "I feel I still have much to contribute to amateur radio. I like to write and having the job keeps me current in amateur affairs of both a technical and political nature. I have enjoyed being a



director of QCWA for these last seven years and have tried hard to serve the membership. My own policy is simple and clear cut. I am a firm believer in the 'will of the majority' particularly in an organization made up of people with as much experience as QCWA members. I will be honored to serve you if you chose to return me to office."

George Apfel, W2CHV first licensed in 1933 holds the Advanced Class license and resides in the State of New Jersey. George is Chairman of the Board of Piezo Electronics, Inc, the crystal manufacturing company he began in 1938. He is also a member of the Boards of Crystal Research Inc., and of Exatron, Inc. He is a Fellow of the Radio Club of America (1979) and has served as Treasurer 1980-1985 and as a member of the Executive Board (1978-1987), a member of the Board of Directors, 1985-1989 and a member of the Scholarship Committee (1980-1986) of that Organization.



George's QCWA activities include Charter Membership No. 2, of Chapter No. 77 (Northern New Jersey); service as Secretary of Chapter 77, 1974-1976, President of Chapter 77, 1976-1978. He is a member of QCWW Chapter and is active in National QCWA affairs. He was chairman of the Annual QSO Party Committee in 1978, a member of the National QCWA Nominating Committee in 1979 and nominee for the office of Director in QCWA in 1983 and 1987. George has attended many National Conventions since 1978.

"As Director of QCWA, my aim would be to increase the activities that 'Members at large' can participate in adding to the attractions of membership in QCWA."



John Weber, KA2IXW, first licensed in 1953, General Class license. John served in the U. S. Navy during the Korean War. During the past eight years, operated as VP2VIC in the British Virgin Islands during December and January.

John has been active in QCWA affairs on the local level, working to reactivate the Metro New York Chapter (renamed the Founders' Chapter). With the help of Henry Schickler, W2ICW, contacted 1200



CANDIDATES FOR OFFICE, 1990 ELECTIONS

local hams by letter inviting them to join our fellowship. As Net control of the weekly Conex net (Northeaster Council of QCWA Chapters') I have furthered the goals of inter-chapter fellowship in the Metro area. On the National level I have written for the QCWA Journal and have presented proposals to the National Board at its' recent National Convention at San Diego.

In private life I am President and CEO of John Weber Gallery in New York City, a large internationally known contemporary art gallery. In this capacity I travel throughout the world frequently, contacting hams and radio clubs wherever I go. I am a member of Radio Club of America and the ARRL.

"If elected as your director, my greatest asset is, I believe, my youth. I am concerned with the survival of QCWA in the 21st Century and pledge my commitment, abilities and loyalty to attaining this goal. We have great fellowship in QCWA and its potential as a major force in Amateur Radio of the future is unlimited. Through international recruitment efforts, reactivation of Chapters and through programs designed to get "at large" membership involved in local chapters, I feel we can make the organization strong and one that every qualified ham in the world will be honored to join!"

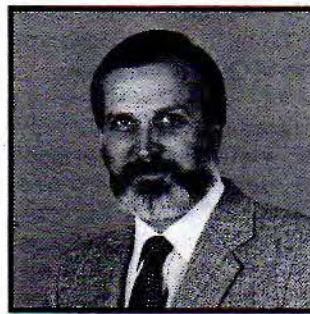
Walter L. Brink, W3WPY, first licensed in 1951 as W7PLT holding Advanced Class license. Calls held include W7PLT, W3CHI, W0CUH and have been W3WPY since 1965. I am a charter member of Del-Mar-VA Chapter 150. Employed as a field representative of Chrysler Corporation Parts and Service Division from 1948 until 1965, when I was appointed as Parts and Service Director of the largest Chrysler organization in the Washington, DC area.

I began a professional music career in 1936, playing in various name bands, including Lawrence Welk, Stan Kenton, Blue Barron and Boyd Rayburn. In 1965 became Principal Tuba Soloist of the Washington Redskins Band until retirement in 1982. My other interests are Redskins Football, my wife Buddy, two children and two grandchildren, travel and 20 meter DX on SSB.

I have taken an active part in the past four National Conventions and served as member of the Nominating Committee in 1988. I have been active in the QCWA QSO parties since 1983. If elected I pledge to communicate with QCWA members and Chapters by letters, net meetings, and personal attendance at meetings and hamfests. QCWA is my only agenda and I will strive to keep it the premier Amateur Radio Organization in the World.

Neil R. Foster, KC4MJ, first licensed in 1961, Extra Class license. State of Georgia. Neil is a systems sales representative of the MS-DOS division of Micro-Center, a firm specializing in Personal Computer equipment. Listed in Who's Who in Science and Technology, Neil is an active member of the American Society of Agricultural

Engineers. A member of the National Eagle Scouts Association, he has been associated with the Boy Scouts of America for 41 years.



Manager.

A very active member of the amateur radio community, Neil has served two terms as President of the 500+ member Atlanta Radio Club. He has also served as Treasurer, Trustee and two terms as Hamfest Treasurer. A member of the Southeastern DX Club, his is currently serving as Vice-President of that Group. In addition, Neil serves as President of Atlanta Chapter 49 of QCWA. Active in the ARRL, he also serves as Assistant Section

Neil's wife, Sharon, KM4IH, active in the local amateur radio community, serves as current President of the Atlanta Radio Club and is past President of the Metro Atlanta Ladies Amateur Radio Club (MALARC).

Neil has been active in recruiting new members to QCWA, adding to the growth of Chapter 49. As director of QCWA, my aim would be to attract many new members to QCWA. Growth and fresh ideas are the backbone of any organization and add to its vitality. If an organization is to prosper and be "healthy" it must grow. Membership and increases in new members are vital!

ELBRIDGE B. "EL" CHARLTON, W5MD. Incumbent Director and candidate for re-election to Office of Director. First licensed in 1952. Extra Class license obtained in 1954. I attended LSU from 1940 until 1942 at which time I enlisted in the USN. After completing class at radio school I was sent to a special compool for training as a signalman. Then assigned to branch called the Armed Guard and served entire time aboard armed merchant ships in convoy. Held both radioman and signalman duties

until Navy had enough men to assign signalmen aboard. After release from active duty, I enlisted in a drill pay status in a local Naval surface division. In 1950 was recalled to active duty for the Korean War and stayed in that position for 2 years. When released went back into surface division and after 27 years retired as Radioman Chief. I also was employed by the Ethyl Corporation and after 38 years with the Company I retired as Senior Lab Technician. I am a member of ARRL, SOWP, OOTC and the Long Wave Club of America. I was Founder and have been President of Baton Rouge QCWA Chapter 109 since its inception 11 years ago. QCWA is my first and most important love and I would be honored to be re-elected as Director for another term. I would like to see our organization grow and prosper and our comradeship come grow stronger. I will work to bring this about if re-elected.





CANDIDATES FOR OFFICE, 1990 ELECTIONS

Robert E. Ray, W5ZMI, first licensed 1953, Advanced Class license, New Jersey. Robert is a member of Delaware Valley Chapter No. 5, currently serving as Vice President of the Council of Northeastern Chapters of QCWA (Conex).

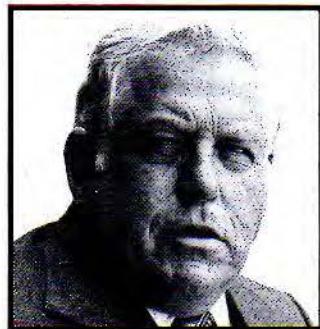


Bob is a graduate of the University of Texas, with a BS Degree in Engineering. He is a Registered Professional Engineer and is currently employed as Engineering Manager of Production with the G. E. Aerospace Division at Moorestown, New Jersey.

Bob is a retired Captain from the United States Air Force Reserve. He is married, has three daughters and six grandchildren. He is 57 years of age. He is an active Radio Amateur, a dedicated family man and supports with enthusiasm and participation the affairs of QCWA Conex.

Bob states, "If elected as one of your Directors, I will support wholeheartedly the objectives of QCWA and will strive to make it Global in scope and appealing to all qualified prospective members. I will appreciate your support."

Bob Rickey, NF6P was first licensed in 1954 and holds the Extra Class license. He resides in the State of California. Bob was licensed as a First Class Radio-telephone Operator in 1948 and worked as a broadcast engineer while earning his electrical engineering degree. Bob is active in the management of Inland Empire Chapter No. 130, planning social activities and writing for the QCWA Journal and the Chapter newsletter. He served as Secretary/Treasurer of Chapter 130 for 3 years and is currently President of that Chapter. He is a life member of QCWA and ARRL.



Bob has recently retired from a 35-year career in the aerospace industry having worked extensively with electrical and RF devices. He held all of the commercial airplane pilot and instructor ratings and operated his own fixed base facility. He has the time and energy to work hard for QCWA. His hobbies include video movie making, photography and music appreciation. His wife is supportive of his QCWA activities. They have three adult children including one who is an active amateur.

Bob states, "If elected, I will support actions which would maintain and improve the image of QCWA and provide membership with greater visibility into the operation of the organization. I support current QCWA activities but believe that more emphasis should be exerted with respect to influencing FCC regulatory matters."

Wally Nelskog, W7FDQ was first licensed in 1935 with the same call held continuously since that time. He holds the Advanced Class license and resides in the State of Washington. Wally is active on almost all amateur frequencies. He started out as a broadcast engineer switching to radio announcing and disk-jockey work until the beginning of WW-II. He served with Alaska Communications as an enlisted man. Received a commission in the Air Force as communications officer after attending Yale University. We was discharged with the rank of Captain, in 1945 taking up his work in broadcasting in Spokane and Seattle. He has been active in ownership of a Muzak franchise - and has owned 12 radio stations in Montana, Oregon, California and Washington. His latest acquisition in 1986 being KIXI AM/FM in Seattle.



Wally has served as Chairman of QCWA Chapter 4, as Chairman of the Washington State Association of Broadcasters, as a Director of the National Association of Broadcasters and was awarded the Washington State "Broadcaster of the Year, 1986"

He is retired since May, 1986 except for ham radio, boating, fishing and gardening. His wife of 43 years, is a native of New Haven, Connecticut. He has one daughter and two grandsons!

Jim Walsh, W7LVN, Candidate for Director in QCWA. I hold the Advanced Class license and reside in the State of Oregon. I am Past President of our local radio club and a founding member of Beaver State Chapter No. 108. I was instrumental in forming Crater Lake Chapter, Oregon Trail Chapter and Central Washington Chapter. I am active on all frequencies through 450 MHz.



I recently completed six years of service as Secretary of QCWA and at the Baton Rouge Convention I was elected to fill the unexpired term of Leo Meyerson, W0GFQ, as Director of QCWA. As part of that obligation I became Chairman of the Scholarship Committee and intend to try and fill Leo's shoes in furthering that program which is so important to QCWA.

Over the Past six years I have never missed a meeting of the Board of Directors and I participate in the National Net every Sunday. I will represent QCWA to as many Chapters and Convention as is possible. Our strength is in our members and Chapters and we should share this with all eligible amateurs.



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CANDIDATES FOR OFFICE, 1990 ELECTIONS

Mary E. Lewis, W7QGP - first licensed in 1951 as WN7QGP, holding Extra Class license and residing in the State of Washington. Life member QCWA, QCWA and ARRL. Past Section Manager, Washington State 1973-1977 and past ARRL Northwestern Division Director for three consecutive terms. As an ARRL Director was very active in restructuring the Field Organization to streamline its function. Very active in amateur volunteer examination program. Mary holds an Associate of Science Degree in General Engineering. Attended Washington State University for three years with major in Electrical Engineering and Business Administration. Member Society of Broadcast Engineers. In 1977 was instrumental in scheduling National Convention in Seattle. Active in bringing newcomers into amateur radio. "We all must be cognizant of our experiences and knowledge and apply it to enhance amateur radio and encourage newcomers both into amateur radio and eventually into QCWA". Husband, Harry (Mr. CW), W7JWJ; Daughter Diana, K7ETY; and son Gary, WA7BBJ (at age 31, the youngest QCWA member) - all Life Members of QCWA.



Each candidate for office is required to furnish QCWA Headquarters a brief biographic sketch and a recent head & shoulders picture, of about 2" x 2" preferred size.

QCWA thanks the Nominating Committee for their willingness to participate in this important matter. Membership is asked to cooperate with the Committee in their work.

IMPORTANT INFORMATION REGARDING THE 1990 QCWA ELECTION

The previous pages have listed candidates that have been duly nominated for the offices of Director in QCWA. As members, each of us have the responsibility to acquaint ourselves with the candidates, know their plans for QCWA and, for making a decision as to which would serve the best interests of QCWA.

To help you the following information applies to the 1990 Election:

1. The even-year election (1990) will see election of five Directors. No officer positions are on the ballot this year.
2. Ballots will be sent to all eligible members of QCWA on or about May 15, 1990.
3. Your ballot will be of the open-card variety, self addressed and will require you to place a 15-cent stamp on it so that Uncle Sam will deliver it.
4. There are 12 candidates for the 5 positions to be filled.
5. You may vote for one, two, three, four or five of the candidates listed on the ballot. It is not necessary to vote for all five positions.
6. If you vote for more than five candidates your ballot will be disallowed and rejected.
7. QCWA polls will close July 31, 1990 at midnight.
8. Election results will be telephoned to all candidates no later than August 5, 1990, and will be announced in a preliminary form during the QCWA on-the-air net, on 14,347 kHz, Sunday, August 12, 1990.
9. Watch for your ballot, mark it and mail as promptly as possible!

1991 NOMINATING COMMITTEE NAMED!

While it seems early, it really isn't - the Nominating Committee has a pretty difficult job and their work is supposed to be complete so that a report can be made to the Board at its Fall, 1990 meeting in Kansas City.

The 1991 Election will feature election of ALL OFFICER & FIVE DIRECTOR positions. The Nominating Committee is charged with providing a slate of candidates - two candidates for each position to insure that membership has a choice of those for whom it will be voting.

The Nominating Committee for the 1991 elections consists of the following QCWA Members:

Mike Orofino, W2KO - Chairman
Art Rauch, W4VZ
Jack Troster, W6ISQ
Frank Schwab, W8OK
Jim McKim, W0CY

If you know of eligible members of QCWA who might serve either as an Officer, or as a Director, offer their names to any of those listed above.

Nominations may also be made by membership petition. A valid petition must carry the signatures of no less than 25 members of QCWA in good standing. Please note that service as an elected representative in QCWA requires that one has been in 'good standing' for no less than two years immediately preceding his/her nomination and, in good standing at the time of nomination.



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HAM RADIO - EDUCATIONAL TOOL!

THE TRADITION GOES ON

Carole Perry, WB2MGP

For the past nine years I have experienced many wonderful rewards in working with young people in my Amateur Radio Classes at Intermediate School 72, Staten Island, New York. There are so many ripples that a teacher can set in motion with children. Years later the effects of what happens in a classroom may come to the surface. The follow-ups that we do through reunions, mailings and the children's visits back to the school, all prove that exposure to Amateur Radio was a significant experience in their lives.

When a youngster who was in my program eight years ago contacts me to let me know that the things he learned in my class influenced his career choice as a radio astronomer, he is providing me with the best reward a teacher can ever get. This was the case with a former student, Elan Grossman, KA2RMW. It's an incredible feeling to know that you've had a positive influence on a youngster's life through Amateur Radio.

Another great experience we have in my classroom is when a QCWA member comes to visit with the classes. A good friend of mine, Jerry Fox, WA2VKS has been a ham for 28 years, and a member of QCWA for 3 years, and a staunch support of my school program. This year Jerry's daughter Lauren is in one of my eleven Amateur Radio Classes. Lauren is 12 years old and is in the 7th grade. She's been around her dad's ham shack since she was 4 years old; picking up letters of the Morse Code alphabet. At last she's with other youngsters in a classroom setting having fun learning about Amateur Radio.

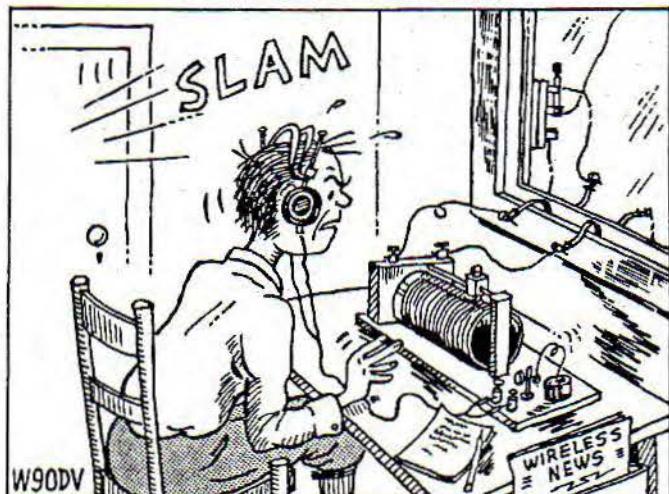
Jerry was 13 years old himself when he learned about Amateur Radio from a counselor at camp. He's done a lot to help the children in my classes, so I'm especially pleased that he is so proud when he hears his own little girl on the radio from our school station. Jerry is representative of the true Ham spirit and is the essence of the QCWA credo to pass on the traditions of Amateur Radio. It is my great privilege to have Jerry as a friend and to have his daughter in my class.

I'd like to encourage any QCWA members, who have the time, to try to get involved with a local school in their area. It's been my experience that the children are eager for all the enrichment and expertise that your membership can so aptly provide. Let's continue the tradition of helping today's youth to get involved in the very worthwhile hobby and service of Amateur Radio.

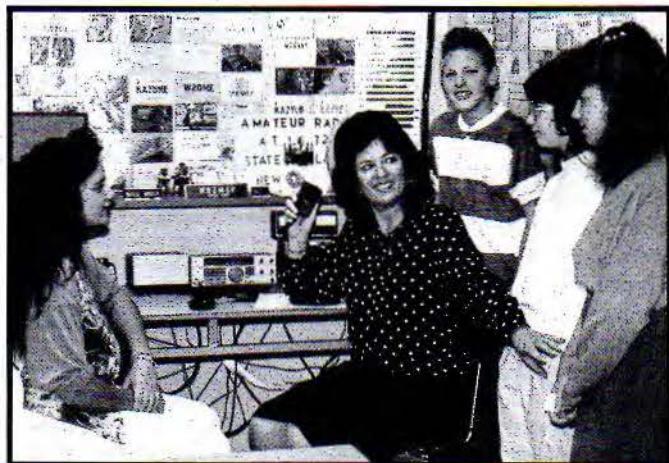
If I can be of help to anyone who wants to "give it a try" please do not hesitate to get in touch with me. I can be reached at 718 983 1416 or at PO Box 131646, Staten Island, New York 10313-0006

CARTOONS IN THE JOURNAL ARE THE WORK
OF JOE ASH, W9ODV
Sheboygan, WI

THE GOOD OL' (?) CRYSTAL DETECTOR DAZE!



WHENEVER THE DOOR WAS CLOSED IT WOULD JIGGLE THE CATWHISKER WIRE ON THE GALENA AND YOU WOULD LOSE YOUR STATION.



SUWANNEE CHAPTER No. 62

Joseph R. Chartier, W1RFE
3637 SE 31st Ter, Ocala, FL 32671

Suwannee Chapter #62 holds bi-monthly meetings in Ocala, FL at Don's Smorgasbord on the dates and times listed herewith for 1990: April 28; June 23; August 25; October 27; and December 8, at 11 AM. A buffet lunch at 12 noon, followed by a short business meeting, with a guest speaker, is the usual order of the day. The following members were elected as Chapter Officers, at the Fall meeting:

Joseph R. Chartier, W1FRE
Jim Armstrong, N4HZR
Adis Henry, W4PFJ
Rowland Medler, W4ANN
Bob Saulpaugh, AG3S

President
Vice President
Secretary/Treasurer
Director
Director

Suwannee Chapter was saddened by the death of Carl Coleman, K4WJ, who was a charter member and the first President when the Chapter was formed in 1972. At Christmas time, the members generously supported the Marion County Rape and Spouse Abuse Center, a project which was adopted in place of a gift wrapping session. Chapter membership stands in the 60's, and members who have no local affiliation are welcomed. Chapter Directors met in a planning session on January 23, and announce new plans to tap for the 1990's. Join in and help make 1990 the best year ever for Chapter 62.



1990 CONVENTION BUILDING UP STEAM



Pictured here are Bill McGrannahan, K0ORB (left) and Bill Cramer, W0ZL, Chapter President discussing plans for QCWA KC 90!

MID-CONTINENT CHAPTER SHIFTS INTO HIGH GEAR!

Since last fall Chapter officers and members have been planning on the QCWA 1990 Convention, scheduled for Kansas City on October 12 and 13.

Taking advantage of hosting the QCWA 1990 Convention, the Chapter held early election of Officers shown below, at right:

Mid Continent Chapter is most unusual in QCWA - no dues, since we pass the hat when in need. The group also meets weekly with an informal luncheon at the local Elks Club . . . where most of the informal business is transacted.

Bill McGrannahan, K0ORB (W2MM), Convention Chairman, says, "There is no reason why the local area can't have at least 150 hams at the annual meeting. Over 60 persons attended the evening meeting Bill says, and we average about 30 at the Thursday noon informal lunches".

The Convention is scheduled for the Marriott in the Plaza, known as "Plaza Marriott". A Hospitality room is scheduled to be staffed continuously beginning the afternoon of October 11. 2 meter (37/97) using W2MM will be in the Hospitality, operated by Beryl, a blind ham, a fine operator who is NCS for the Saturday midnight

34/94 net with check-ins running from 50 to 200!

The Plaza is within about a block distance of the Marriott, and features all sorts of eating places in all areas of pricing. No parking meters! The University of Kansas City is just east of the Plaza, Art Museum and Music College are in the area.

Leo, W0GFQ will be on hand for the Sing-A-Long - programs are to be outstanding and the Kansas City Area will be great for sight seeing as well as QCWA meeting activities. Kansas City is normally a delightful place in the Fall of the Year. Temperatures can run from 55 to 75 - ordinarily rain is not a problem and winds are light. Certainly you'll want a sweater at least.

Finally, as many of you know, the Convention Committee went to Baton Rouge, en masse, to see how things went at that location. They came away full of praise for Baton Rouge Chapter, and at the same time confident that Kansas City will become the one to match in the future. If they do not have 300 present (almost double the normal attendance) they will certainly be disappointed.

Kansas City is central to all QCWA Members. Make your plans now, and make your reservations (plane, etc) to get the best possible excursion rates. Don't miss QCWA Kansas City 90. See the following two pages for added information and, for registration forms. You know you're going to be there, why not register today, give the sponsors a big boost of excitement!

Chapter Officers serving in 1990! - L-R
(front) they are: Reeves, Arnold, McGrannahan, McAllister; (back)
Schroeder, Mehl, Cramer.

While the Convention is a bit in the future
it still makes good sense to make
your reservation right now,
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MORE TO COME IN NEXT JOURNAL.....73

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QCWA has had for a long time, jacket patches. They are embroidered and look quite nice, in color too. They are really just the stuff to sew on the front lapel area of the Vest. They are in stock and sell for \$5.00. You can order them at the same time. There is an order blank on the back of the Journal, but a simple note indicating you want a blazer emblem will do the job.

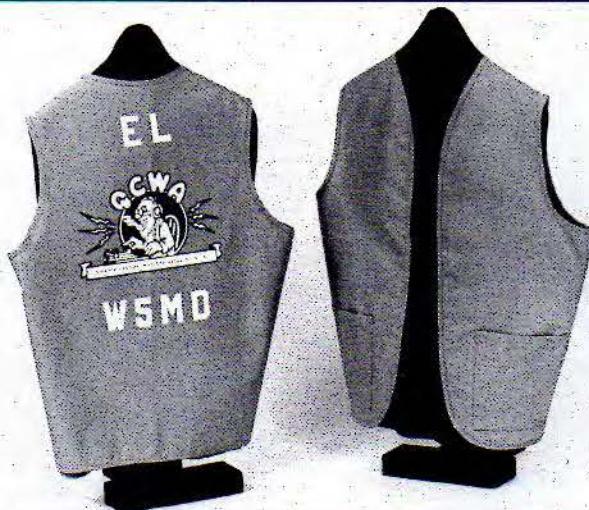
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Prepared by Hugh Winter, W5HD, Vice President, QCWA, Inc. Second of the Series appeared in the Winter, 1989 QCWA Journal

THE PIONEERS - III

Michael Faraday
Joseph Henry

The unit of capacitance
The unit of Inductance

They were contemporaries, the one a Briton who spent most of his life in London, the other an American whose roots were in New York, living three-thousand miles apart, there is no indication that they were in direct communication, yet in the years between 1825 and 1850 they discovered and developed many of the relations between electricity and magnetism. One or both of them built the first electric motor, dynamo, telegraph, induction coil, transformer, and practical electromagnet.

Faraday was slightly the elder. Born in 1791 of a poor family he was apprenticed to a bookseller. He attended the lectures of Humphry Davy, a prominent chemist and kept notes which he showed to Davy. So impressed was Davy that he hired Faraday as his assistant. He acquired knowledge and reputation and was able to begin his independent research at the Royal institution. Building on the work of Oersted, he was able to show how electrical and magnetic forces could create mechanical motion. When he placed an electric wire between the poles of horseshoe magnet and current was passed through the wire the magnet rotated. He had produced the first rudimentary electric motor.

After a time when he worked on experiments in electrolysis, he returned to consideration of the relations between electricity and magnetism. Oersted had shown that electricity could create magnetism: Faraday was convinced that magnetism could create electricity. He tried to use a magnetic field to do so. He found that a stationary magnetic field had no effect, but when he CHANGED the magnetic field near a wire, electricity was generated. Probably the easiest way to test this is to place a permanent magnet within a coil. Pulling the magnet in or out of the coil generates a current. He had created the first dynamo.

Faraday was not only an experimenter; he tried to develop a theoretical basis for his results. He theorized that lines of force extended out from the poles of a magnet in all directions. Any of you who have sprinkled iron filings on a paper laid over a magnet can visualize these lines. The lines mapped out a "field" of force extending through space. This first rudimentary concept of an electromagnetic field was the basis for the entire concept of electromagnetism.

Born in 1797, Joseph Henry grew up in Albany, New York. There is a story, possibly apocryphal, as to how he devel-

oped an interest in science. It seems he was chasing a rabbit which went to ground in an old church. Henry seems to have lost interest in the rabbit and in prowling around the church found an old volume on science and engineering which turned his interest to that professional field. He studied engineering at Albany College and returned there as a lecturer. He became interested in electromagnets and built one which was far superior to those built in Europe. One story has it that he struck on the idea of insulating the coil wire with silk. This of course made possible multi-layer coils. It is said he obtained the silk from his wife's petticoats.

He invented the first electromagnetic relay which made possible fairly long range telegraphy. He actually invented a telegraph but had no interest in the business end so his friend Morse got the patents, financing and congressional grants and actually strung the wires.

About 1830 he made a significant discovery, the principle of self-inductance. He showed that a coil could not only induce current in a neighboring coil, but in itself. Probably independently of Faraday, he built the first practical electric motor.

The list of his achievements is a catalog of the basics of electricity and the foundation of the work of Maxwell and Hertz. He demonstrated the oscillatory nature of a spark discharge, and the action of inductance at a distance. A sidelight is that he was able to utilize a lightning discharge 8 miles away to affect a magnetic needle. It is fitting that the unit of inductance, the Henry is named for him, as he probably did more to provide an understanding of the phenomena of inductance than any one had done previously.

Henry spent most of his research years from about 1830 to 1850 at Princeton University. He was not only a great experimenter, but an able administrator, and was the first Director of the Smithsonian Institute, and the first president of the National Academy of Science.

CORRECTION: In the 9th paragraph of The Pioneers - II, in the Winter QCWA Journal, the last line should read as follows: (current and inversely proportional to the separation). Thanks go to W2RP for pointing out this editorial error.

-- Editor --



QCWA JOURNAL

SPRING, 1990
VOLUME 39, No. 1

AMATEUR RADIO SATELLITE NEWS

AMATEUR RADIO SATELLITE NEWS

is prepared and edited for QCWA by Keith Pugh, W5IU
PO Box 121576.. Ft. Worth, TX 76121

Your comments and suggestions are welcomed. When writing to Keith be sure to enclose a self-addressed, stamped envelope if a reply is requested.

* * * * *

On January 22, 1990, at 01:35:31 UTC, a new era in Amateur Radio Satellites began. At that time, the European Space Agency (ESA) launched its V35 mission, an Ariane 4 booster, from its launch facility in Kourou, French Guiana. In addition to the primary payload, SPOT-2, six Amateur Radio Satellites were on board. Two of these satellites called Uosats, UO-14 and UO-15, were built by the University of Surrey in England. The four Microsats - AO-16, DO-17, WO-18, and LO-19 - were designed and built by a team of engineers and scientists assembled by AMSAT-NA. Approximately twenty minutes after launch all six payloads were separated from the launch vehicle; first UO-14 and UO-15, then AO-16, DO-17, WO-18, and LO-19. The LUSAT (LO-19) CW Beacon was turned on by the LUSAT Command Team during the first pass over Argentina and could be heard on the first pass over the USA. Attempts to command the remainder of the Microsats on during the first pass over the USA were unsuccessful. PACSAT (AO-16), WEBERSAT (WO-18), and LUSAT PSK were successfully commanded on during the second pass over the USA. DOVE (DO-17) came on later that evening by default and all were available during the following morning passes. The Uosats were commanded on by the University of Surrey Command Team during the first passes over England. At the end of the first day in orbit all "birds" were alive and well. By the time you read this these "birds" should be operational.

The following paragraphs contain brief descriptions of each "bird," its hardware compliment and intended mission. These satellites are all in low-earth, polar orbit and are Sun Synchronous. Being Sun Synchronous, these "birds" make two or three passes each morning centered around 10:30 AM local time and another two or three passes each night centered around 10:30 PM local time. Individual passes last 10 to 15 minutes each. All of the rumors you have heard about satellites being hard to hear should be dispelled by these "birds." They are all low enough and carry enough transmitter power to make them easy to hear with common receivers and simple antennas. The best case in point is DOVE. With a downlink on 145.825 mhz FM and approximately four watts of power, this "bird" can easily be heard with a two meter HT and a "Rubber Duck."

Microsats -

The Microsat concept came to light during the AMSAT-NA Board of Directors Meeting in November, 1987. The idea was to build small satellites with a common core of electronics that could be easily reproduced and serve a variety of purposes centered around digital communications. A "flying electronic mail box" for Packet Radio was the original idea. This concept had been pioneered by the DCE package on UO-11 and by mode JD on FO-12. Both of these early implementations were successful, but results were limited by the technology available at the time of their conception. A team was established to come up with a design and implementation. What

evolved were four small, 9 X 9 X 9 inch, satellites with common power modules, flight computers, receivers, transmitters, solar panels, antennas, internal communications buses, and computer operating system. Provisions for customizing by adding an additional module were provided. Each satellite weighs approximately 10 to 14 kilograms. Attitude control (stabilization) is passive and is done by a combination of magnets, solar torquing vanes, and hysteresis damping rods. As things evolved, sponsorship from other organizations was sought after to share the financial and technical burden. Specific customizing and sponsorship details follow.

DOVE - The Digital Orbiting Voice Encoder (DO-17) concept was formulated by Dr. Junior de Castro, PY2BJO, of Brazil AMSAT (BRAMSAT). It was inspired by the educational uses made of the Russian - Canadian Skitrek operation carried out on UO-11 during the Winter/Spring of 1988. The idea was to produce a satellite capable of transmitting synthesized voice and common digital modes in a commonly available frequency band. A commonly available transmission mode, FM, was chosen. As implemented, this satellite shares most of the common modules with the other Microsats. One exception is the transmitter. The transmitters on DOVE produce up to four watts of two meter FM on a frequency of 145.825 mhz. The other Microsat transmitters are optimized for 70 cm PSK transmission. The custom module in DOVE contains the Voice Synthesizer and its associated converters, buffers, etc. In common with PACSAT, DOVE contains an S-Band transmitter operating on 2400.1 mhz as well. In the digital communications mode, the downlink is conventional VHF, 1200 baud, AX.25 packet. It can be copied with any common packet TNC between your two meter FM radio and your computer. As mentioned before, signals are very strong making reception easy. This is a receive only satellite. Information transmitted by the satellite is uploaded to it by the command stations and the users are in the receive mode only. During the first week of operation, many glowing comments have been received on the quality and ease of reception of this "bird." Judging from the early response, BRAMSAT will have a real "winner" when the voice synthesizer becomes active. Stay tuned for all of the educational possibilities of this "bird."

PACSAT - PACket SATellite (AO-16) is the original concept "bird" and is totally sponsored by AMSAT-NA. It contains a full complement of common modules with the other "birds." Its customizing consists of an L-Band receiver, S-Band transmitter combination giving it optional true Mode S capability. Its normal capability is Mode J; i.e., four receive channels on two meters (145.900, 145.920, 145.940, and 145.960 mhz) and two transmit channels on 70 cm (437.050

and 437.025 mhz). A typical ground station will consist of a two meter FM transmitter, a 70 cm SSB receiver, a PSK modem, a packet TNC, and of course the station computer. Antennas can be simple such as J-Poles, 1/4 wavelength ground planes, etc. Direct access to the satellite will be common; however, indirect access through a VHF or HF gateway will be possible and you may not even know it is happening as the "birds" are integrated into the world wide packet radio network. In particular, the "birds" should replace or supplement the long haul packet traffic now handled on HF.

LUSAT-LU (Argentina) SATellite (LO-19) is sponsored by AMSAT



AMATEUR RADIO SATELLITE NEWS

Argentina and is indeed the first satellite ever launched by Argentina. It is identical in function to PACSAT with the exception of its customizing. To provide some utilization to non-packet equipped users, LUSAT hosts a CW Telemetry Beacon sending Morse at 12 wpm. This CW Beacon module contains its own microprocessor and peculiar telemetry. The package was designed and built by the hams of Argentina and was the first transmitter heard from the Microsats on launch night. Uplinks to LUSAT are on 145.900, 145.880, 145.860, and 145.840 mhz. Downlinks are on 437.150 mhz (PSK) and 437.125 mhz (CW). LUSAT will share the packet traffic responsibilities with PACSAT.

WEBERSAT - WEBER State University SATellite (WO-18) is sponsored by the Center for Aerospace Technology at Weber State University, Ogden, Utah. It contains the largest custom package of any of the Microsats and is devoted, to a large extent, to the experiments contained within the custom package. It is capable; however, of the same packet operation as PACSAT AND LUSAT. This custom package was designed and built by the students at Weber State. In addition, a number of the parts for all of the Microsats and the upcoming Phase IV satellite were designed and built by students for academic credit at Weber State. The WEBERSAT custom package contains all sorts of "goodies." The one most likely to become popular with the average user is the Color CCD TV Camera. The on board camera is capable of taking pictures from space, digitizing the video, and then transmitting this digitized video via the packet downlink. A related part of the TV capability is the ability to receive ATV transmissions on L-Band, digitize them and relay the picture back via the packet downlink. Experiments of a more scientific nature include a spectrometer, an impact sensor, a magnetometer, and an experiment designed to measure the relative decay rates of Cobalt 57 specimens on the ground and in space. Following the results of these experiments should be of interest to hams, students, and other interested people throughout the world. The uplink to WEBERSAT is on 145.900 mhz and downlinks are on 437.100 and 437.075 mhz. ATV uplink is on 1265 mhz. Custom software for picture decoding will be available through AMSAT.

Uosats -

Two new Uosats, UO-14 and UO-15, complete the complement of satellites launched on this one ride. Physically larger than the Microsats, these satellites continue in the tradition established by UO-9 and UO-11. In addition to a myriad of scientific experiments, these "birds" also can serve as "store and forward" flying electronic mailboxes and bulletin boards. Provisions are included to perform digital communications at rates up to 9600 baud. Experimental high efficiency solar cells are included to evaluate their utility. Batteries and the computer operating system are common with the Microsats. Spacecraft attitude control is more sophisticated than the Microsats. Downlinks for UO-14 and UO-15 are on 435.070 and 435.120 mhz respectively. Although initially active, UO-15 became silent approximately 25 hours after being commanded on. Hopefully, by the time you read this, UO-15's health will have been restored.

Summary -

This new "flock of birds" should prove to be interesting to listen to and

use. As they transition from the hands of the designers and builders to the users, the opportunities will multiply. I cannot stress enough the potential value to the education community. Already, they have been a valuable education tool at Weber State University. Many of you may say, "I can't learn all of that computer garbage!" but believe me you can if you try. The hands on experience provided by these "birds" will make learning much more interesting. Try DOVE for a start and then work your way up through the capabilities provided on the rest of the "birds." The experience gained through design, construction, and use of these "birds" is a necessary step to the AMSAT Phase IV Project and beyond.

Microsat details are available in the May and June 1989 issues of QST and other publications. Further information is available through AMSAT-NA and AMSAT-UK including software, personal assistance, and publications. See you on the digital "birds."

NORTHERN LIGHTS CHAPTER No. 92

Our annual luncheon meeting was held November 11, 1989, at the Anchorage International Airport Inn. There were sixteen members and guests present and we all enjoyed a roast chicken or prime rib of beef roast luncheon. We have moved the time back to 11 AM for our regular Saturday net on 29 MHz. It is hoped that more would be able check in. The net has not been very well attended this past summer but now with more time on our hands we are hopeful more will be visiting with us. 10 meters has been open most days to the lower 48 so we are looking for more out of state QCWA members to be checking in too.

John Trent, KL7DG writes he has been QRV on 18 MHz CW . . . said he had a QSO with W9AUO (QCWA 7544) who is 81 years young - a ham since 1924. John has also added some shoes to his QRP rig and now puts out a whopping 100 watts. Leroy Davie, KL7CUK, became a silent key October 8, 1989, at his summer home in Deltona, FL. Roy and Vonne attended our June Picnic at Russian Jack Park. It was nice to hear from Buddy Clay, KL7OT in Aniak . . . told me of the old days when they would set up an emergency net along the river during break-up time, and that this type was no longer necessary as all the villages have telephone systems now. She still checks into the snipers net each night at 6 PM and is net control on Thursdays. She went on to say Aniak used to be a large village and the ACS had a station there for years. At that time the villages had no radio communications so the old timers along the river were allowed to get a ham license. They had to take the exams from the ACS - when it came to drawing the required schematics--there was a little help of a hand over a hand". She believes they were licensed for 160 meters only. At that time Alaska was K7-land. Also at that time there were very few hams in Alaska -- one up the Kotzebue area and another down in SE alaska. Apparently they had nightly contacts and were working a stateside one night when one of the Alaskan stations quit transmitting. He was being asphyxiated by fumes from a generator - they were able to alert some one and a neighbor was call to save his life. They had some real emergencies she says, but had fun doing it.

Roy C. Gould, N6GM
7121 E 34th Ave, Anchorage, AK 99504



Harley, Christ, W9ALU.

QCWA JOURNAL

SPRING, 1990
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QCWA SILENT KEY MEMBERS

Chesnut, David J	W1AAU	2,046	1985^	Browell, E G	K5DI	19,614	1989
Izart, J Henry	W1AUY	2,510*	1989^	Stockton, John L	N5DX	22,481	1989
Riley, Lester A	W1CKM	8,629	1982^	Clayton, Walter Elmer	W5FZ	9,205*	1989
Ljongquist, E Willard	W1CQS	7,491	1982^	J Herbert Newton	W5JHX	6,915*	1989
Ells, Frederick A Jr	W1CTI	7,900	1986^	Sommers, Norval I	W5JOK	11,294	1989
Wheelden, Alston M	W1EF	10,494	1987^	Tomme, M Brown, Sr.	W5JOU	9,059	1989
Hinkley, George A	W1GA	3,456	1989^	Bartholomew, C Morley	W5QDX	9,776	1989^
Austin, Charles W III	W1INN	15,080	1989	Murphy, John S	KA5UUZ	19,236	1989
Arnold, Richard	W1KBQ	11,511	1988^				
Gallonio, Anthony	K1KON	7,424	1988^	Everman, C C	W6BCM	4,387	1989
Lair, Harold S	W1MBQ	4,922	1989^	Moss, Joel F	W6BQR	390*	1989
Lindemann, Carl Jr	W1MLM	11,246	1986^	Smith, D L	W6CQ	10,127*	1990
Wilber, Leo W1MV	952	1982^		Tomer, James L	W6CYM	15,011	1989^
Erickson, David F	W1NLU	5,063	1989^	Stewart, Robert K	K6ETB	17,678	1989
Poor, Sterns	W1PO	1,130	1974^	Putzker, Earl	W6FQA	2,688	1989
Harris, Ernest A	W1PZU	9,308	1982^	Holifield, Boy	KA6HBR	20,208	1989^
Johnson, Albert E	W1RYB	8,749	1986^	Furell, Eddie S	N6IGB	19,040	1990
Anzalone, Frank	W1WY	766	1989	Stangel, Walter	K6JB	6,091	1989^
Westcott, Joseph F	W2ACL	5,184	1989^	Griggs, John R	W6KW	812*	1990
Carney, Gilbert L	W2BEL	21,287	1989	Mintle, Robert G	W6MDK	3,049	1989
Cornell, Glen M	W2BIW	9,556	1989^	Harris, William A	W6MFZ	17,424	1989^
Fryer, L A W2CM	6,093	1989	Rivera, Thomas R	K6MXD	12,752	1989^	
Tukey, Edward Frank	KA2EIO	12,987	1989	Tice, Ed Jr	W6NGN	5,707*	1990
Littler, Robert	K2EQQ	859	1989	George E Watson	K6WL	7,318*	1989
Dickinson, Hugh P	KK2J	15,706	1989	Humphries, William G	W6ZUB	19,938	1989
Leonard, Francis C	W2NPT	9,772	1989				
Johnson, Charles E	W2RNH	14,646	1989	Thatcher, John	W7AAJ	2,986	1989^
Mulligan, John M	W2RTW	5,116	1989	Neal, Ed A	W7ARF	4,813	1989
Roy, Earnest H	W2RX	5,732	1989	Bielenberg, John	W7BIS	10,475	1989^
Wojek, Frank J	W2SNJ	7,481*	1989^	Morrill, Robert W	W7BMK	1,630	1989
Marcy, Charles T	W2UBJ	5,733*	1988	Stanley, Leon S	W7DKB	5,266	1989
Gerber, Fred J	W2UYG	12,214	1989	Taylor, Warren J	W7GHI	16,436	1989
Goldman, Mark L	W3AST	664	1990	Critchlow, Mervin R	W7GJJ	11,949	1989^
McReynolds, P D	W3BDF	5,747*	1989	Nichols, C H	W7HWD	2,125	1989
Harper, John C	W3CFX	5,271	1989	Woodin, Roy H	KL7HH	3,793	1989^
Powell, Ford J	K3CVZ	20,695	1989	Simonsen, Lind J	W7JHK	18,961	1989
Medrow, Karl R	W3FA	8,153*	1989	Galley, George E	W7MCQ	4,217	1989^
Beat, Paul S	W3GEJ	5,597*	1989	Lancaster, George P	W7PJY	11,009	1989
Briggs, Maynard R	W3HWZ	2,585	1989	Cole, Ken P	W7QZH	5,222	1989
Breetz, Louis D	W3LB	2,822	1989				
Moore, J Mark	W3LPF	1,491	1989	Trombley, Ed	W8CAM	1,395	1990
Hartman, Ray A	W3OJM	6,663	1989	Windle, Ben E	W8FCA	8,870	1989^
Schnick, Roland B	W3VAG	11,943	1989^	Fullerton, Robert B S	WA8KCJ	22,466	1990
Carlson, H C	W3VMX	5,785	1989	Lofgren, Boyd	K8LXL	8,601	1989
Madison, E A	K4ADG	6,858	1989	Bornman, Frederick D	W8QJ	13,932	1989
Veltman, David E	K4AMS	15,165	1989^	Beljan, Joseph R	W8SCW	5,742	1989
Baldwin, T W	K4AXA	2,204	1989^	Schopp, Carl J	W8SDB	3,706	1989
fenhutter, Stanley	K4BLM	7,485	1989^	Case, Charles R	W8SUC	11,282	1989^
Wells, William Jr	W4CVS	9,802	1989	Chapman, Lloyd Bayley	W8WHA	17,330	1989
Thwing, Richard W	K4EDE	15,821	1989^	Schnitker, Wilbur L	W8WPV	6,30	1989^
Long, F Lester	WB4EZA	7,689*	1989^				
Lascell, Paul D	WB4FZY	18,729	1989	Butler, Harry G	W9FU	2,888	1989^
Street, Howard E	W4GNR	9,347	1989^	Holloway, Harold R	NC9I	16,735	1989
Klein, Arthur	K4HGW	18,144	1989	Lugar, Hayvee C	W9NGG	7,716	1989^
Tangel, J Ed	K4IKT	17,421	1989^	Nelson, Richard R	W9RZL	7,172	1989^
Haydon, Robert L Jr	W4IOV	5,412*	1989	Arnholt, Francis G	W9SIO	18,016	1989
Fredrickson, Fritz	K4JFP	10,148	1989	DeRose, Anthony S	W9SSR	19,806	1989
Litschauer, Tony	W4JQ	1,257	1985^				
Anderson, Frank S Jr	W4KAO	4,918	1989^	Len W Nay	W0AMY	4,083*	1989
Woodward, Craig R	W4LKP	8,048	1989^	Mallory, Robert R	W0CA	1,051	1989^
Ramsa, Alexander P	KA4MYL	17,738	1989	Bald, Loui	KOHJY	14,620	1989^
Kohl, Francis V	W4NM	9,630	1989^	Webb, F Earle	W0HYC	12,538*	1989^
Redlingshafer, M Dale	W4OCZ	20,077	1989^	Franz, Chester B	WONFA	641	1990^
Morgan, Benjamin A Jr	K4PIK	15,915	1989^	Crouch, Olyn C	W0RRS	12,659	1989^
Crane, Harvey J	W4TN	6,161	1989^	Bruner, Frank D	KOST	15,968*	1990
Lynn, Richard N	AF4W	5,332*	1989	Swanson, Carl E	W0ZNI	8,513	1989
Coleman, Carleton L	K4WJ	944*	1989				
Neff, Ernest	W5BBH	6,513	1989	McAteer, L R C	VE2EM	10,558	1989^
Mehan, Raymond I	W5CNJ	13,207	1989	Haycock, Maurice H	VE3LC	8,785	1988
				Doe, George F	VE7GD	7,437*	1989^

Silent Keys listed are those reported since publication of the Winter, 1989 QCWA Journal.

* Life Member

^Date of death not certain, information requested.

QUARTERLY REPORT OF MEMORIAL FUND GIFTS RECEIVED

Gifts received by QCWA since the report in Winter, 1989 QCWA Journal was published.

Chapter 12 - Honoring K4BLM

Chapter 38 - In Memory of KA5UUZ

Chapter 67 - Honoring K5JNY

Chapter 25 - In Memory of K0FBP, W0KKD, W0AMY and W0ZNI

Chapter 45 - In Memory of KL7CUK

Jamaica Savings Co - Honoring W2AHZ

Chapter 129 - Honoring W5JHX

Chapter 87 - In Memory of W7BMK

Member, N2XJ - In Memory of all QCWA Silent Key Members

Member, KA6HOQ - In Memory of all QCWA Silent Key Members

Chapter 53 - In Memory of WB4FZY

Chapter 6 - Honoring W3OIM

Member, W6MFP - In Memory of all QCWA Silent Key Members

Chapter 63 - Honoring W5AA, W5AS, W5ATO, K5DZV, W5FM, W5JJ and W5OQT

Chapter 148 - Honoring all QCWA Silent Key Members

Member, W2BNW - In Memory of W3AST

Member, W9VQD - In Memory of W9PUT

Chapter 15 - Honoring K3CVZ

Chapter 152 - Honoring KA4MYL

Chapter 25 - Honoring K0SST

Chapter 55 - In Memory of W9ESJ

Chapter 41 - In Memory of K5DJ

Thank you all for your thoughtful gifts



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SECRETARY/TREASURER'S FORUM

Your questions and comments are appreciated. If you wish a personal response, please include an SASE. Neither your name nor your chapter will ever be mentioned in this column, so do not be timid about saying what is on your mind. There are very few questions for which someone will not have the correct answer . . . try us and find out!

This time we want to discuss applications. As you are aware, QCWA requires an application. There are those who wonder shy, and probably feel that all of the questions on the national application are not needed to conduct the affairs of QCWA. Likewise, there are those who feel that not enough questions are asked on the application. Suffice it to say that any responsible organization needs to know about those who wish to affiliate. In the case of QCWA, your original call and the date you were first licensed are required because membership in our organization is limited to those who were first licensed at least 25 years ago. Your date of birth is used mainly for computation of the Century Club Award. Other than the required name and address, so the QCWA Journal and other mail can reach you, the other questions are few and deal only with generalities.

The purpose in the last paragraph is to suggest that your chapter pattern an application in the same manner as national has done. Keep it simple. A good idea might be to review the sample chapter application included in the Chapter Manual along with the National Application. Then, adopt a simple chapter application which is most meaningful for your purposes. It probably is a good idea to ask many of the same questions on your chapter application as appear on the national application. We say this because, as you know, the national form will remain in Texas and you will need much of the same information in your chapter files.

If you care to have a copy of the application used in the chapter of which the writer is a member, you are welcome to have one. Simply write to the address given in this column and enclose an SASE. One will be sent to you by return mail. Yes, your chapter should have a simple application! Quite possibly the application you select should include some form of agreement (to be signed by the prospective member), as shown at the top of the chapter application appearing in the Chapter Manual; at least give that some thought. Most of us signed an agreement at the time we became members of QCWA; it appears at the top of the national application.

Keep in mind that your chapter will have applications from those who already are members of QCWA, and now are moving into your geographical area and desire affiliation with your chapter. You also will have applications from those joining QCWA for the first time. Will probably have applications from those who prefer to maintain their "primary" membership in another chapter, but wish to join your chapter on a "secondary" basis. The "primary" chapter is the one noted in the national QCWA data base: each of us may have only one "primary" chapter, but as many "secondary" chapter memberships as we care to have.

Your applications should be filed in a way to be useful to you. Perhaps you will select an 8.5 x 11 inch paper size to be filed in a binder, with all the applications in alphabetical order. Perhaps you prefer a file folder for each member. Maybe you will start with either the binder or folder, but plan ultimately to include the data from the application in some form of computer data base, then retire the paper to a permanent file. Maybe your chapter application is to be on a 3 x 5 or larger card. You must decide what is right for your chapter. Consider also the need to maintain separate files for active, inactive and silent key members.

Let us assume that you are one of the S/T's who took office with no turnover materials. Let us further propose that you believe each of us should do what can be done to move the organization one or more steps

further than when we took over. Once you decide upon the form which your chapter application is to take, be it cards or paper, the next step is to get the blanks filled in. Thanks to QCWA Headquarters, that part is very easy!

Remember "Report 1" and "Report 2" about which we talked last time? That form, on long paper with "Report 1" on one side and "Report 2" on the other, was sent by Headquarters to each Secretary. We used those forms to complete the Annual Chapter Report. Of course you remember! And now that you think about it, you can see that nearly all the data needed for each chapter member appears on one side or the other of this form. Well, not quite, but almost! We know that only those chapter members whose "Primary" membership is with your chapter are listed on your copy of these reports. So, if you have "secondary" members in your chapter, you will need to ask these members to complete your application form. For all others, the vast majority of information you need appears on "Report 1" or "Report 2". It is possible that some information unique to your chapter will not be on these forms. You can get that information at your next Chapter meeting, or by mail from the Chapter members. But, for right now, the task is clerical: the transfer of information from "Report 1" and "Report 2" to your application form(s). If any of the information is incorrect please let QCWA Headquarters know at once. If any data field, such as FL (First Licensed), or FCALL (First Call), etc., is incomplete, please write Headquarters and ask that missing information be determined as soon as possible.

You should be beginning to appreciate how easy your job as S/T is, with so much of the data already in the national data base. There are many advantages that you, as S/T, now have, some of these may not have existed previously. This column will identify the advantages to you of such information systems.

A hint or two may be in order at this point. When you send an application and check for a new QCWA member, treat yourself to even greater efficiency by sending a SAPC (self-addressed post-card) with the application and check. On the SAPC ask headquarters to tell you the MEMNO (Member Number) they assign as well as the EXPDAT (expiration date) of each QCWA membership they complete for you. Also ask them to tell you the First Call and First License, as well as the Join-date they find in their exploration through call directories and microfiche. If some of the same information is on your chapter application as is on the national application, when you get the SAPC back in the mail, you will have most all the information in the national database. The alternative to using the SAPC idea, of course, is that you are never certain whether the First Call, or First License on the application agrees with what Headquarters found. Also, you will not know the Member Number and Expiration date until the member tells you, or you see it in the QCWA Journal many months later. And, you will not know the join date until the next issue of "Report 1" and "Report 2". The card does a fine job, and allows your record base to be up-to-date at any given time. A postage stamp on the front of the card is always appreciated.

Check your chapter application file now and complete all of them, so you will be ready for another subject the next time we get together - Good Luck!

This Column written & Edited by John Miller, W0IKT

Send your comments and questions to:

John Miller, W0IKT
401 Tiffany Dr
Anderson, SC 29625-1815

ON AIR SCHEDULES - CHAPTER INDEX

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SCHEDULED ON THE AIR MEETINGS

1	Cleveland Chapter	Wed	2400Z	W8OXA	146.88	118	Coastal Carolinas	Mon	2000L	W4EHF	146.28
2	Chicago Area	1Th	2100L		147.15	120	QC Wireless Women	Tue	1900Z		14295
4	Northwest Chapter	Sun	1630Z	W7PN	3655	122	Lake Erie-Tri State	Sun	1430Z		3915
		Sun	2000Z	W7FNC	3952	123	Lee deForest	Sat	1330Z		3885
		Sun	2300Z	W7AZI	3952	125	Halifax Chapter	Tue	1930L	K2HWF	147.15
5	Delaware Valley	Sun	1445Z	W2HX	3917	126	Piedmont	Sun	0900L		3935
6	Pittsburgh	Sun	1330Z	W8CSU	147.63	128	Pelican	Sat	1500Z		147.06
		Sun	1400			130	Inland Empire	Sat	0800L		3862
7	Southern California	Sun	0900L	W6FQ	3917	131	Gulf Coast	Tue	0900L	WF4V	28750
		Sun	1100L	K6BA	3695	134	Pine Tree	Sun	1930Z		3942
		Sun	1000L	W6ZRZ	146.805	135	Mid-Michigan	Tue	2000L		146.40
8	Upper Midwest	Sat	0800L	W0KHG	3880	138	Central New Jersey	Tue	2200L	W2DME	147.045
9	Dayton/Cincinnati	Sun	1800Z	W8DWI	3987	140	Wyoming	Sat	1500Z	W7MZB	3923
10	Michigan	Sun	1200Z	-V-	3903	143	North Colorado	Sun	0830L		145.115
11	Northern California	Sun	0930L	W6BCM	3907	146	Twin State	Sun	0830L	W1SVT	3897
		Sat	1000L	W6FQA	146.25	149	Nutmeg	Sun	1630Z	KA1SJ	3923
14	San Diego	Wed	0400Z	K6QM	145.52	150	Del-Mar-Va	Sun	0900L	W3BY	146.22
15	Tulsa	Sun	0645L	W5FUR	3830	151	Wild Rose	Tue	0200Z	VE6EO	7070
		Sun	0930L	W5DFU	7157	152	Royal Palm	Dly	1800Z	W4LZV	3910.
16	Arizona	Sun	0800L	W7ER	3890	157	Pony Express	T&T	1830Z	W4LZV	14180
20	Baltimore	Mon	2100Z	W3EE	147.28	160	Utah Chapter	Sun	1430Z	K0TUH	3955
21	Canton, OH	Wed	0130Z	W8OYV	147.42	162	Southeast Wisconsin	Sat	1730Z	W7FVM	7272
25	Nebraska	Sat	0830L	W0EUT	3982	164	Big Bear Lake	Thu	0300Z		147.27
27	Houston	Thu	2000L	W5CCD	3866	165	York County	Sun	0300Z	K6GCF	147.33
28	Central New York	Sun	1030L	-V-	3917		Thu	0200Z	W3AXC	146.94	
31	Reading, PA	Mon	0100L		146.91						
32	Gator	Sat	1200Z	W4OIN	146.37						
33	Gunderson-Penn-Jersey	Sun	0100Z		3982						
		Dly	2000L		3980						
35	Mid-Continent	Thu	2030L	W0WHK	146.37						
36	Northwest Indiana	Wed	0100Z	W9NGB	145.45						
38	San Antonio	Sun	2030L	N5EN	28650						
41	Dallas	Sun	0715L	-V-	3835						
44	Nevada	Mon	2000L	W9RU	145.39						
45	Citrus	T&T	0030Z	K4KQ	147.225						
46	Founders'	Sun	1615Z	W2DP	3917						
		Thu	2030L	W2DP	148.360						
48	Treasure Coast	Dly	1500Z		7153						
49	Atlanta, GA	Sat	0900L	K4VN	3855						
54	Tyler Texas	Sun	1300Z	W5CNO	3835						
55	Wisconsin	Sun	1430Z		3985						
58	Colorado	Sun	0930L	W0ERR	146.076	1					
60	East Tennessee	Sun	1700L	W4EWR	3875	5					
61	Detroit Metro	Sun	0800L	W8IHX	3663	7					
62	Suwannee	Sat	0900L	K4BRC	3940	8					
63	Central Oklahoma	Sun	1400Z	V	3855	9					
64	El Paso	Sat	1530Z	V	3933						
65	Niagara Frontier	Sun	1330L	W2SD	3900						
73	Southern Ontario	Sun	1400Z	VE3CD	3772						
		Sun	1700Z	VE3TO	7090	12					
75	Central California Coast	Sat	0830L		3917	16					
76	Blue Ridge Chapter	Sat	1300L		7180	17					
77	Northern New Jersey	Sun	1800Z	W2OJW	3917	21					
		Fri	0100Z		147.285	25					
79	Sunflower Chapter	Wed	2100L		146.82						
		Sat	1400L	W0AWP	3610						
		Sat	1400L	W0MYM	3915						
80	Caloosa	Wky	-		146.52	32					
81	Long Island Chapter	Sun	1130Z	W2AMI	3917	38					
84	Florala	Mon	0130L	KF4BU	146.28	41					
85	Ark-La-Tex	Mon	0100Z	K5LFJ	146.67	44					
87	Evergreen	Sun	1500Z		3985	46					
89	Palmetto State	Sat	0900L	W4EGH	3927						
		Sun	1700L	N4LS	3695						
90	Razorback	Sun	1300L	W5MYZ	3907	49					
92	Northern Lights	Sat	2000Z		29000	53					
96	Gateway	Sat	1600Z	W2KGI	3933	59					
102	Dakota	Sun	1400Z	W0HOJ	3890	60					
104	Treasure State	Sat	1700Z		3938	61					
106	German	Mon	1700Z	DL9AR	3663						
		Tue	1730Z	DJ2ZB	3555						
107	Central Florida	Sat	0900L	W4LHP	7243	62					
		Thu	1400Z		21380	64					
109	Baton Rouge	Sun	0830L	W5URR	3905	65					
		Sun	2000L	W5URR	146.19	ConeX					
110	Kansas	Sat	0730L		3920						
112	Yankee	Sun	0830L		3902						
114	North Texas Chapter	Sat	1430Z	WB5PHM	3943						
117	Appleseed	Mon	0130Z	W8JYY	147.96						

QCWA INTERNATIONAL & REGIONAL NETS

QCWA INTERN'L	Sun	2000Z	W6FQ	14347
QCWA CW NET	Wed	2000E	W5QU/W4PI	7035
Florida SSB	Sat	1300Z	K2SN	3955
NE Regional	Sun	0845L	KA2IXW	3917

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QCWA JOURNAL ON CASSETTE

The QCWA Journal is available on cassette tape for members who have trouble reading the printed edition.

For information write to:
Blanche Randles, W4GXZ
6002 North Fremont St, Tampa, FL 33604

YORK COUNTY PENNSYLVANIA No. 165

William H. Boyer, W3AMQ
21 S Findlay St, York, PA 17402

The QCWA York County PA Chapter 165 meeting was held at Rutter's Restaurant, December 10, 1989. Dinner was served at 6:30 PM. Paul Stumpf, W3AQN gave the invocation. Ladies night was observed with 19 ladies being presented poinsettias. 18 Chapter Members and 4 guests were among those attending. Clyde Boring, W3DJF was honored for his Christmas Day birthday.

Following dinner, the business meeting was opened by President Ray Shaub who expressed his appreciation for support given him during his two years service as Chapter President. In lieu of the gavel, he then presented the Chapter's Charter to President Dennis Cooper, who spoke briefly. Secretary William Boyer read the September 9 meeting minutes where were approved.

Following the business meeting John, W3FLD and Beatrice Zett gave a talk relative to their experiences serving 3 weeks as York County Chapter American Red Cross volunteers in Charleston, SC, during the HUGO disaster.

The meeting and dinner closed with a Christmas Carol sing-a-long led by Paul Stumpf. Frank Bair, K3GDI took video pictures.



Chapter officers in the picture above, L-R are: Elmer Hauer, W3IXG, Treasurer; Dennis Cooper, K3NVI, President; Raymond Shaub, W3AXC, Vice President and William H. Boyer, W3AMQ, Secretary

EAST TENNESSEE CHAPTER No. 60

Robert S. Embry, W4HHQ
700 Markhill Rd, Sevierville, TN 37862

The Fall meeting of the East Tennessee Chapter # 60 was held at Markhill Village, In Sevierville on October 14, 1989, with 45 members and visitors in attendance. As the meeting began, a moment of silence was observed in memory of Phil Ewald, W4EWR. The Chapter contributed a memorial gift in his honor to the QCWA Memorial Scholarship Fund.

Officers for the year 1990 were elected. Those taking over were:

Charles Williams, AA4WX	President
Don Goodin, K4QU	Vice President
Robert Embry, W4HHQ	Secretary/Treasurer
Austin Shamblin, KM4JL	Asst Secretary/Treasurer

New members were added to the Chapters roster. Beulah Barrick, W6NLM, in Knoxville; Joey Goodin, K4CNU from Oak Ridge and Lon Brickley, W4AFS from Greenville. 50-Year Golden Awards were presented to Joe Selby, W4GHL and Grady Fox, W2VVC.



In the picture above, L-R are: Grady Fox, W2VVC and Joe Selby, W4GHL, with their new Golden Awards.

The program consisted of a talk and slide show given by George Dominick, W4UWC, who described the adventures of himself and son as they travelled through Australia.

DALLAS CHAPTER No. 41

Robert B Olney, N5NT
1331 Northlake Dr, Richardson, TX 75080

Dallas Chapter No. 41 meets at noon on the first Saturday of each month at Wyatts Cafeteria, Marsh Lane at Forest Lane, in Dallas. The Chapter 41 Early Sunday Morning Net meets at 7:15 AM on 3835



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kHz. There is always lots of good fellowship and you can count on a good program. Visitors are welcome!



Above, at left, Cecil Gowan, W5ECU, receives his Golden 55 Certificate from Luther Pully, W5JIZ at a recent Chapter meeting.

BEAVER STATE CHAPTER No. 108

Fred Dickson, W7LBH
38566 Parkside Rd, NE, Albany, OR 97321

The annual meeting of Beaver State Chapter #108 was held on November 19, 1989 at Neufeldt's Restaurant in Salem, with 39 in attendance. Following dinner a short but lively business meeting was held at which the following officers were elected:

Frank Buhman, W7CVL	President
Mike Strahon, KM7T	Vice President
Fred Dickson, W7LBH	Scty/Treasurer

These officers along with current Board Member June Truax, W7RAX, will serve from January 1 through December 21, 1990. The officers-elect were photographed for posterity and to insure safekeeping of the Chapter's gavel it was turned over by President Hazel Keefer, KA7KMD to Vice President Buhman to hold until he assumed the Office duties of President.



In the picture above, Frank Buhman, W7CVL at right, receives the Gavel from Hazel Keefer, KA7KMD.

Following the meeting the group was entertained with a mini-concert by Miss Cassie Conolly and her accordion.

SOUTHEAST WISCONSIN CHAPTER 162

Robert N. Jensen, W0WLN
5616 Cambridge Ln, #6, Racine, WI 53406

The regular monthly meeting of the Chapter was held at Infusino's restaurant at 7:30PM, November 20, 1989, attended by ten members and one guest who aspires to a ham license. The Secretary-Treasurer announced that the annual Chapter report had been sent to National QCWA headquarters and that a new national roster would be issued as of year's end. The President appointed two members to an Activities Committee and one to a Membership Committee.

The December meeting was the annual Christmas Party, held at the Wind Point Inn at 1:00 PM, December 13. New member Fern Fisher, W9LCJ was welcomed and presented her official Chapter name badge. Members and spouses or guests present exchanged gifts and then enjoyed a fine meal. The dessert was a specially decorated cake brought by the Koniceks and Knoteks, who also decorated the tables. The table decorations were given as door prizes at the end of the meeting. Bill Komistra, W9OVZ presented a slide show and an interesting account of his latest motorcycle trip to Alaska.

The regular monthly meeting for January 1990 was held at the Around the Clock Restaurant at 7:30PM, January 15, 1990. New Chapter rosters were distributed and plans made for a member recruitment drive. Nominations for 1989 Ham of the year were solicited. The Secretary-Treasurer announced he and his wife were leaving this week for a two week trip to Hawaii - not at Chapter expense.

SOUTHEAST FLORIDA CHAPTER No 12

Sid Wolfeld, KJ4AS
2021 NW 35th Ter, Coconut Creek, FL 33066

Twenty-one members and guests attended the Chapter's final 1989 meeting at a Christmas Party at Enchanted Forest Park in North Miami, December 16, 1989.

A new slate of officers for the 1990 year was elected. Those who will serve are:

Herb Bernard, W4JXA	President
Sid Wolfeld, KJ4AS	Vice President & Corresponding Scty
Art Rauch, W4VZ	Recording Secretary
Paul King, W4LGP	Treasurer

The ladies did an outstanding job providing the lavish array of delicious covered dishes which were enjoyed by all. Marion, WB4RFB, XYL of Art, W4VZ, is to be especially commended for her tireless efforts in arranging and coordinating the party and for her painstaking efforts in hand embroidering the small candy box presents for each attendee. Gifts were exchanged among those present with Wayne, AG4R and Marion WB4RFB splitting the cash drawing. We all



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missed George Masterson, W4UAA, who is Doctor's Hospital recovering from an operation.

We all reflected on the past year which saw some triumphs and some tragedies for the Chapter. Three chapter members, Andy Clark, W4IYT; Harry Pilafian, W4SQG and Joel Kandel, KI4T worked untiringly providing communication services for the State of Florida and Dade County during emergencies and community affairs. We also remember and deeply mourn the loss of three Chapter members who became SK.

NEBRASKA CHAPTER No. 25

Bob Rudd, W0EUT
109 North McCabe Ave, North Platte, NE 69101

The North Platte group honored John Townsend, W0YYV featuring his Award of the QCWA Golden Certificate commemorating 60 years as a licensed amateur. John received his first call, 5ANH in Purcell, OK in 1926. In the 1930's he arrived in Nebraska and received the call W9YYV. The zero replaced the 9 after World War II. John, with his wife Dorothy own and operate Christian Radio KJLT in North Platte. Dorothy, a QCWA member too, holds KOUOK.



Pictured above those who attended the ceremony. L-R they are: Gale Galloway, W0PGX; Bob Rudd, W0EUT; Marshall Davis, W0ATU; John Townsend, W0YYV; Dorothy Townsend, KOUOK; Bill Wesslund, W0BJ and Dennis Carr, WA0AVQ. Gale is the retired owner of Scott Radio, Bob a retired FAA Technician; March, a retired Railroad Conductor; John and Dorothy Radio Station owners; Bill retired AT & T VHF technician; Dennis employed and working as a stock broker. Other members of Chapter 25 in the area are: Don Wilkinson, W0DP retired banker; Les Mills, W0ERM, retired fire-chief; and Bill Beall, KR0N, with Union Pacific RR as an electrician.

The North Platte Group meets the 4th Thursday of each month at a local cafe. The Lincoln Group meetings the third Wednesday of each Month in Lincoln, NE.

SHENANDOAH VALLEY CHAPTER #137

Guy Black, W4PSJ
1201 Woodside Dr, Winchester, VA 22601

The Chapter met Wednesday, January 17, at Jimmy's Restaurant in the Holiday Inn, Rte 50, east of I-81, Winchester, VA with 18 guests and members present.

Following a social hour and business formalities, we heard that Lloyd Penrose, NC8G is responding favorable to chemotherapy, and has been lunching with friends in Martinsburg. Larry Salisbury, W4LHI, has returned home from the hospital with oxygen and other convalescent equipment, and listens often but talks very little. His spirits are excellent.

The program was a 26-minute video supplied by Courage Center of Rochester, MN: Making Contacts: Making Friends. The mission of the Courage Center, now in its 50th year, is to help handicapped people lead a fuller and more independent life. Some years ago it established the Handi-Ham program under which handicapped persons world-wide, obtain licenses, are lent equipment that is often donated, and are otherwise helped to get and stay on the air. The Center develops devices and means of modifying equipment that meet the special needs of those with visual or physical impairments of many types. The video explained the process, the encouragement given to prospective hams, including radio camps, and featured interviews with members of hand-ham as young as pre-teens to octogenarians, operating CW, phone, packet and other modes.

This thoroughly professional video, which riveted the attention of members, is available on loan to any ham club. To borrow the video or make equipment donations for use of the handicapped, write to:

Courage Handi-Ham Courage Center
3915 Golden Valley Rd
Golden Valley, MN 55422

The Center also seeks volunteers wherever there are handicapped hams or would-be hams who can assist students and members in establishing and maintaining stations, erecting antennas, resolving technical problems and studying to pass exams. For members and associates, it publishes the quarterly Handi-Ham World.

Guests are invited to our meetings!

FOUNDERS' CHAPTER No. 46

David W. Winter, W2AUF
84-26 87 St, Woodhaven, NY 11421

The Chapter's November meeting was opened by Chairman John Weber, KA2IXW, was held at the 14th Street Armory. It was announced that the annual elections would be held at the January meeting. Harry, W2JQS announced that the Conex Tarrytown meeting was a success. It was also announced that a 2-meter net on 147.06 MHz is operating every Tuesday evening at 8:30 PM.



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Tim, KC1EZ was thanked for the fine newsletter he has been issuing recently. Announcements of QCWA Net times and frequencies was made and members urged to participate. John talked of the extreme damage that the storm Hugo caused to the Caribbean islands.

Guest speaker, Fred M. Link, W2ALU, President of the Radio Club of America for 27 years, gave a talk about some interesting activities with James West of Texas, in regard to his desire to have certain radio equipment designed for him.



In the picture above, at left, John Weber, KA2IXW and Fred M. Link, W2ALU, speaker of the evening.

DELAWARE VALLEY CHAPTER No. 5

Don Field, W2UAE
101 Denow Rd, Lawrenceville, NJ 08648

Delaware Valley Chapter held its winter meeting at Manny's Place, Rte 13, Bristol, PA, on January 13, 1990. There were 25 in attendance. The luncheon was a buffet and the meal was very good.

Since our Chairman, George Van Dyke, W3HK, is recovering from a quadruple by-pass heart operation, our Vice Chairman, Bob Ray, W5ZMI, conducted the business meeting. George is recovering nicely and will be back in circulation soon. He has been checking into the two-meter net on occasion. With the business meeting called to order, the minutes of the October meeting were read and approved. The Treasurer's report was given by Marvin Foral, W3QGC, and was approved. The Vice Chairman reported on the two nets that are operating, the 3917 Chapter 5 Net at 9:45 Sunday mornings and, the 146.79 Chapter 5 Net at 9:00 PM on Thursdays. Both nets are showing improved attendance.

The speaker for the meeting, Paul Bohlander, W3VVS, had to cancel at the last minute because his wife had to make an emergency trip to the hospital, so the Vice Chairman had each ham get up and give a brief account as to how he first got started in ham radio and some of the highlights of his ham activities. Everyone enjoyed the short auto-biography's. The next meeting is planned for sometime in April.

ALLENTOWN-BETHLEHEM EASTON #17

Ray Bilger, W3TDF
1706 State Rd, Coopersburg, PA 18036

A-B-E Chapter met on December 16, 1989, at the Holiday Inn, Bethlehem. Chapter Secretary Ray, W3TDF, reported that membership now stands at 40! All present wished a Happy Birthday to Joe, WA3BRW, 62 years of age on this day.

K3ANS reported on the need for 'Elmers' for would-be and new hams, just for demonstrations and initial exposure, and that old-timers like us could fill that gap readily.

Weather was bad - snow and cold held attendance down to a small but hardy group of 13. Logs and dupe sheets for those who are going to participate in the QSO Parties were passed out.

BOULDER DAM CHAPTER No. 44

Elbert L. Smith, N7CYJ
2101 Jeanne Dr, Las Vegas, NV 89108

The December meeting of Boulder Dam, No. 4 was also election of Officers? Yes, this statement is questionable from the count of nearly 40 members, only six had the strength to appear for the meeting even though all members were notified by mail. Question! - why do people join clubs and organizations which they have no intention of supporting?

Oscar Heinlein, W7BIF has agreed to stay on as Vice President. Smitty agreed to stay on as Secretary/treasurer, so long as he remains in the area. Smitty had a rather nasty stroke in August, over two months in the hospital, still doing therapy three times a week that leaves little time for other activities. There is a small amount of money in the treasury which will not last long when mailing, even of post-cards. As our Past President has done this chore at his own expense, it is now going to be up to the Chapter to finance its own mailing - certainly Oscar and Smitty are not going to be permitted to carry the burden of supporting the Chapter.

Smitty has already mentioned, as long as he is in the area - he and his XYL have two daughters living in northern Utah - they are quite firm about selling the property in Las Vegas as it is too far and too expensive to commute whenever something happens to mom or dad, besides, it is the only way they are ever going to become solvent again!

LAKE ERIE TRI-STATE CHAPTER No 122

Gerald H. Owens, AB3X
20045 Spartansburg Hwy, Corry,
PA 16407

October 14, 1989 was the date that Lake Erie Tri-State Chapter held its 10th Anniversary dinner at the Zukor Club in Erie. A fine buffet style dinner was enjoyed by 40 members and guests followed by the Awarding of several certificates for service to the Chapter and mile



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stones in the number of years licensed.

Special speakers for the 10th Anniversary Dinner were W5EJ, Ted Heithecker, of QCWA HQ and John Fleming NO3M, new Section Communications Manager for the WPA ARRL Section.

The Chapter's annual meeting was held November 11, 1989 at the Shrine Club with 31 members and guests present.

Election of officers was held with the following selected to serve:

KC3LV - Vice President
W9KEP - Secretary
W3MMJ - Treasurer

W3QPP and W3MMI were elected to serve as Directors.

President Bert Ban Houton, W3TPW thanked all Officers and Committee persons for their help and encouragement.

ARIZONA CHAPTER No. 16

Clement K. Chase, W7JGU
1351 East Greenlee Rd, Tucson, AZ 86719

The fall meeting and officer installation of the Arizona Chapter was held in Tucson at the Papagayo Restaurant October 21, 1989. At the conclusion of an excellent meal, the following members were installed:

Clem Chase, W7JGU	President
Lyle Brown, W7LGB	Vice President
Oliver Grieve, W7WGW	Secretary/Treasurer

This activity was followed by an energetic program or field trip put together by the President - to a private Franklin Automobile Collection; to San Xavier del Bac Mission; and to a deactivated Titan missile site. The auto caravan was held together via 2 meter simplex operation.

The second annual combined meeting of the Pacific Chapter #9 of SOWP and the Arizona QCWA was held at the Holiday Inn in Phoenix on December 22, 1989, with 111 members and guests attending. Representatives from the ARRL Southwestern Division, the QCWA Board of Directors and the Southwest Museum of Electricity and Communications were in attendance.

Arizona Chapter 16 President Clem Chase, W7JGU addressing the meeting, is shown at left.

Pictures of the event were taken by Ed Sharp, of Southwest Museum of Electricity and Communications.

In the picture at right, Fried Heyn, WA6WZO, Director for the Southwest Division, ARRL, addresses the Chapter meeting.

Following speeches given by visiting dignitaries, a brief note of apology from Barry Goldwater who was scheduled to address the group, was read. We all wish him a speedy recovery. The meeting was concluded by a songfest accompanied by Leo Meyerson, W0GFQ, at the piano, conducted by Pat Higgins, XYL of Gerry, W9INP.



UPPER MIDWEST CHAPTER No. 8

John L. Hill, W0ZWW
2828 Lake Blvd, N. St Paul, MN 55109

President Whittaker called the meeting to order at 10:55 AM with 28 persons present and turning the meeting over to Dave Harrell who introduced Sister Alverna, Educational coordinator for the Handi-Ham system. Following a short history of the Handi-Ham organization, she presented the 28 minute video titled "Making Contacts, Making Friends". This newly created very professional production features several members illustrating the benefits each derived from membership in the organization. The narration is done by Tony Tretter, a very active "vertical" member who is also a member of this Chapter of QCWA. At the conclusion of the program it was moved, seconded and approved that a collection be taken from those present to further the work of Handi-Hams. A total of \$122 was turned over to Sister Alverna.

At 11:45 the business meeting began with the treasurer's report. To rectify the failure to award door prizes in a timely manner at previous meeting, the door prize drawing was immediately held. Five prizes were awarded.

A letter from Army Brattland, K6EA was read in acknowledgement of his award of a certificate endorsed for 70 years of license. Other business taken up was the desire of the membership for an unstructured meeting format omitting any formal program presentation. On a show of hands, it was determined that the program was a desired feature of Chapter meetings. On a call for knowledge of members ill, it was reported that Ray Weihe was unable to attend because of illness.

Golden Award certificates or endorsements for existing certificates were presented to four members who were absent from the award presentations at the September meeting. One of the members added up the years represented by these recent awards to discover that





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there was a total of 1,825 man years of licensed amateur operation represented by the pioneers within the Chapter membership and that there were 55 woman-years.

GATOR CHAPTER No. 32

Eli Nannis, K4JMH
14996 Imperial Pt Dr, N, Largo, FL 34644

Attendance at our luncheon meetings has been very good. We meet at a buffet with a private room and eat 'til we bust! The Suncoast Convention in Tampa on November 18 & 19 saw the Chapter taking part. Hal Rice, W4FOM has moved to a new location. Former President Bill Penhallegon, W4STX, presented a program on his recent DX expedition in the Cayman Islands using the call ZF2MK. He used a TS120S with an inverted Vee antenna. He operated in a hotel room, making many contacts. He departed on the last flight before hurricane Gilbert hit the Island. Don Bice, W4PCO presented a display of old telegraph keys.

Our Christmas meeting was held on December 2. Instead of exchanging presents, we collected funds which were presented to the Religious Community Services which provides emergency housing, food and shelter to victims of abuse, the homeless and so on. Paul Turner was elected to an alternate on the Board of Directors for the Florida Gulf Amateur Radio Council. Members have been reminded to check their National QCWA dues.

Eli, K4JMH our President reported on a meeting he attended for Hurricane Hugo report of Red Cross activities. There were 5 hours of pictures taken in Charleston showing the massive damage sustained and emphasized the non-prepared status of the town for taking care of people and property. For some period of time the only radio communication was by amateur radio.

Bill, W2WV and his XYL set up the Christmas decorations for our Christmas meeting. At our January 6 meeting 42 members and guests present. New members Spartan Bridge, W2ZYQ and Arthur Kunst, W3WM. Earl K4JF and his XYL celebrated their 51st wedding anniversary. The program was given by Tom Johnson speaking on the Pinellas Trails. This is a 35 mile recreational park. The State and County purchased the abandoned rail track and it is being prepared for bicyclists, walkers, etc. The trail is 12 feet wide and off-limits to all vehicles. The Chapter made a donation to the Trail Committee.

LONG ISLAND CHAPTER No. 81

Herman F. Milatz, W2TLC
1836 Gardenia Ave, Merrick, NY 11566

Long Island Chapter held its Holiday Season meeting on December 13 with a good crowd on hand. The meeting featured election of Officers for the year 1990. Those who will serve are:

Herman F. Milatz, W2TLC
Mark LoBosco, W2YTR

President
Secretary/Treasurer

The meeting's program featured Alex Mendelsohn, AI2Q who spoke on the history of telegraph keys. Alex brought a fine display of about 20 keys representing much of the historical development of the telegraph key.



Above, Alex Mendelsohn, AI2Q, being thanked for his display of about twenty different models of telegraph keys and his articulate discourse thereon.

CHAPTER OFFICERS PLEASE NOTE!

As we write this early in February, many QCWA Chapters have not filed their Annual Report for the Year 1989. By the time this notice reaches you, it will be getting very late. If the report is not filed your chapter will, by Board Action, be declared inactive! It's almost too late now!

NORTHERN NEW JERSEY CHAPTER No. 77

Henry J. Dull, W2PHW
One Longstreak Rd, Newfoundland, NJ 07435

Northern New Jersey Chapter 77 held its fall dinner meeting at the Robin Hood Inn, Clifton, NJ on October 10, 1989. Tom Moulton, W2VY ARRL Northern New Jersey Assistant Section Manager for youth, gave a talk on programs to attract young people to amateur radio.

The Chapter's "Elmer of the Year" Award was presented to member Walter Heineman, W2QR by Past President Carl Felt, N2XJ, Chairman of the Elmer Committee. The 50/50 collected a total of \$80 for the Benefit of the QCWA Memorial Scholarship Fund.

It was a very enjoyable evening of good food and wonderful fellowship.



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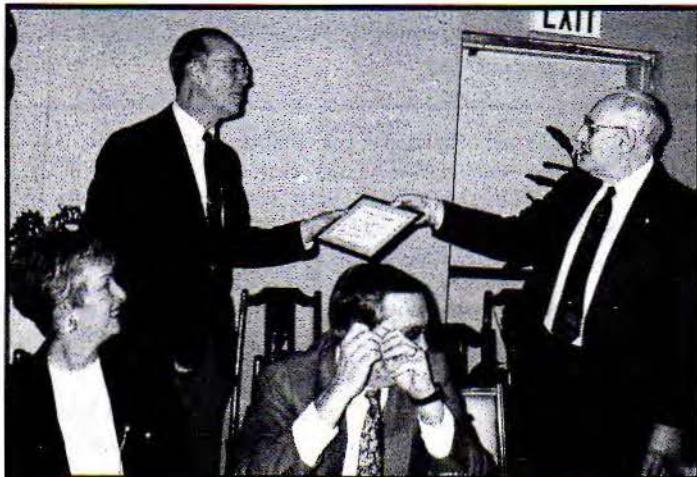
ATLANTA CHAPTER No. 49

Jud Whatley, W4NZJ
2156 Windsor Dr, Snellville, GA 30278

The Atlanta Chapter No. 49 held its annual Christmas meeting at the First China Restaurant on Saturday, December 16, 1989. Nearly 30 members and guests attended. New officers were nominated and elected. They are: Neil Foster, KC4MJ as President; Steve Wasserman, KK4PV as Vice-President; Jud Whatley, W4NZJ as Secretary/Treasurer. Marvin Ollendorf, W4HAH and outgoing President, became a Director and replaced Stan Golden, K0JRG. Both Byron Lindsey, W4BIW and Wendell Cushing K4VN, remained as Directors.

The club noted the unexpected absence of Wendell, K4VN from the meeting. Immediately prior to the meeting Wendell's garage caught fire and burned up with, thank goodness, no loss of life. On a brighter note Bill Doughty, W9UIX, received a locally issued award for his efforts during the last QCWA QSO Party. Winner of the Chapter 49 QCWA Coffee Mug was David Wasserman, who is 9 years old. Both he and his sister, Courtney, who is 11 years old, plan on getting their Novice license before the Dayton Hamfest. After being licensed for 25 years, they promised to join QCWA and Chapter 49!

At long last, Santa Claus again returned to the Chapter's annual Christmas Party, hugging and kissing the young ladies!! During his visit everyone noticed the unexpected absence of Byron Lindsey, W4BIW. Could it be possible that this "mild mannered" Gentleman and "Old Goat" is none other than the real Santa? Only the Ladies really know!



Above, Bill Doughty (standing at left) W9UIX, receives an award from Chapter 49 and outgoing President, Marvin Ollendorf. Seated are Sharon Foster, KM4IH, who is President of the Atlanta Radio Club and, Neil Foster, KC4MJ, newly elected President, Chapter 49, and candidate for National QCWA Director.

It will be only a short while until you receive your ballot for the election of five QCWA directors. Please watch for it, and after determining which of the candidates you favor, vote your preference!

SUNCOAST CHAPTER No. 53

Robert Bookwalter, W4NWF
728 Valencia Rd, Venice, FL 34285

Suncoast Chapter of QCWA held their regular luncheon meeting at the House of Chong in Sarasota, January 4, 1990 with 64 members and guests present. President Bob Bookwalter, W4NWF introduced Secretary John Karban, W3IGC, his wife Esther and Treasurer Larry Pearsall, W9FDY and his wife Bea.

Following reports from the Secretary and Treasurer, Bob called for introduction of guests and new members. Since there was no new or old business pending, the meeting was adjourned for the meeting Program.

John Willig, W8ACE, introduced Annette Dann, an employee of Florida Power and Light Company. Annette, a graduate of Georgia Tech, spoke on lightning and the precautions and steps that should be taken to reduce the chances of damage to electronic equipment. She was assisted by Scott Willie, a new member of FP & L speakers group. After her talk Annette passed out various items of literature and "Vial of Life" kits from the Red Cross.

YANKEE CHAPTER No. 112

Onie Woodward, W1ZEN
14 Emmett St, Marlboro, MA 10752

A meeting was held in September at the New England Steam and Wireless Museum in Greenwich, Rhode Island. There were 11 members and 4 guests in attendance. It was the Annual Steam-up at the Museum. Everyone enjoyed the day looking at the old time radios and seeing the steam engines working.

The first Saturday of December was the Christmas Party held in Marlboro at the home of W1RCJ and W1ZEN. It was a pot-luck luncheon with many very excellent dishes to choose from. The QRM, before Lunch was served reach very high dB levels. The 35 attending swapped gifts and took their Christmas ornaments from the tree. The Ladies received an Angel (of course) and the OM's had a small stocking with a teddy bear in it. Everyone seemed to have a fine time and felt the Holiday Season had started in a very merry happy way.

The next meeting of Yankee Chapter will be April 21st, 1990 at Franklin Manor in West Boylston, Massachusetts. We welcome all QCWA members even if they don't belong to Yankee Chapter. If anyone other than Yankee Chapter members are interested in details drop W1ZEN a note, Yankee Chapter members will find details in the March Chapter Newsletter.

We wish everyone a very happy, healthy 1990



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COUNCIL OF NORTHEASTERN CHAPTERS

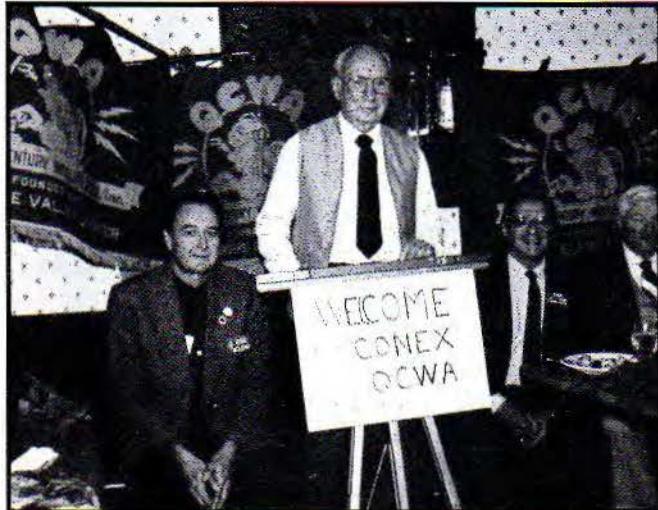
Harry Moore, W2JQS
260 Millard Ave, North Tarrytown, NY 10591

CONEX Third Annual Meeting was held November 18, 1989, at the Marriott Hotel, Tarrytown. This was a joint meeting of members of three chapters. 31 members and guests representing six QCWA Chapters were present. A review of activities during the past year together with suggestions for future activities was presented.

Sy Yuter, W2NBT, Chairman of the Nominating Committee presented a slate of candidates for officers for 1990. Those elected were:

Harry Moore, W2JQS	President
Bob Ray, W5ZMI	Vice President
Herman Milantz, W2TLC	Secretary
Howard Leopold, WA2KSK	Treasurer

Directors are: Herb Nordholm, W1IAO; Al Briener, W3TI; John Weber, KA2IXW; Mike Orofino, W2KO; Dave Winter, W2AUF; Sy Yuter, W2NBT. Honorary Directors, Clarence Seid, W2KW and Gus Gironda, W2JE.



Pictured above, with the unusual display of 3 different Chapter Banners, L-R are: Bob Ray, W5ZMI; Harry Moore, W2JQS; Sy Yuter, W2NBT and Herman Milantz, W2TLC.

DETROIT METRO CHAPTER No. 61, QCWA

Len Kerzka, W8IHX
4900 Lakeview Blvd, Clarkston, MI 48016

Our January, 1990 meeting began by President Bob Wittla greeting the guests and a new member. Secretary Len, W8IHX then read the minutes of our last meeting. Minutes were accepted as read. Len then read our financial account, and this report was also accepted. Three men then agreed to bring their dues up to date after the meeting. President Bob then mentioned that he had heard comments why our meetings could not start earlier, as some men did not want

to stay out late at night. After considerable discussion, where opinions were pro and con, we may start our next meeting one half hour earlier. The subject of possible day-time meetings was then discussed, but no definite plans were formulated at this time.

The subject of this evening was then announced, and Bob turned on his tapes. He had been with Bill Brown, WB8ELK, at Findlay, Ohio, where many experiments with balloons carrying cameras and radio gear were conducted. His tapes showed many intricate electronic circuit boards, and how the amateurs at Findlay were conducting these experiments. A most interesting presentation, but Bob did not want to hold the men too long. He claimed he could describe the balloon and radio activities for another two hours. After a question and answer period, the meeting was adjourned. It was a pleasure to see so many men come out to our first meeting of the new year.



Newly elected officials for the Chapter shown above, L-R are: Charles Master, W8OU, Director; Marv Maten, W8TOP, Director; Len Kerzka, W8IHX, Secy/Treasurer; Bob Wittla, President; Matt Butterworth, K8ZZC, Vice President; Charles Takson, W8FJK, Director.

CENTRAL NEW JERSEY CHAPTER No. 138

George W. Hasslinger, WB2CGI
61 Rues LN, East Brunswick, NJ 08816

Our regular quarterly meeting was held at Howard Johnson's in Middletown, on November 21, 1989. We had fifty-two members and guests in attendance. A moment of silence was observed for the passing of our chapter member Frank J. Wojick, W2SNJ. Health & Welfare Chairman, Walter Prang, W2HOZ, displayed the Chapter's plaque with the names of deceased chapter members, which had recently been brought up to date.

President Jerry Havel, W2RRX, announced that plans are being made for our Annual Dinner Meeting. This year it will be held at the Fort Monmouth Officer's Club on Sunday, May 6, 1990, at 3 PM.



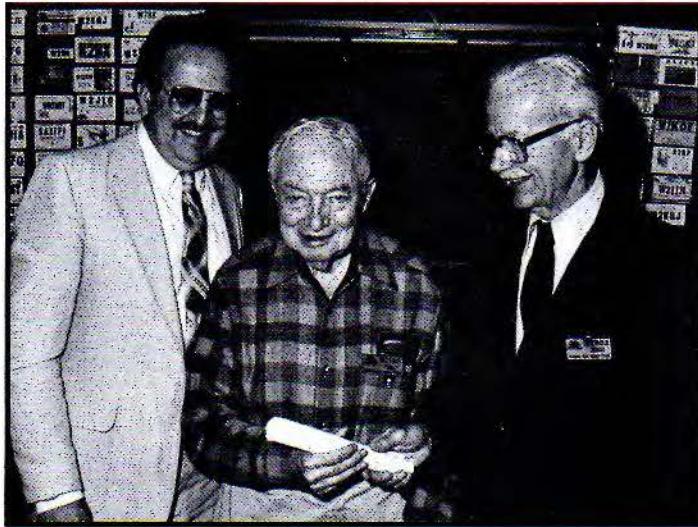
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Harold Schnabolk, W2IBG, was presented with a certificate for his fifty years of continuous licensing. Harold's son Allan, W2OIB, is also a Chapter member.

Phil Petersen, W2DME, presented an Audio-Slide program narrated by the late Bud Waite, W2ZK. It described Bud's many Antarctic trips with Rear Admiral Byrd. Bud was one of the five men



Picture by W2DME.

who made the trip to rescue Byrd at the South Pole. We were also shown slides of the KC4 Antarctic stations. Our thanks go to Phil and to Bob McKinley, Jr., W2OMR, for this very interesting program.

Above, L-R are Allan Schnabolk, W2OIB (son); Harold Schnabolk, W2IBG (father), receiving the Golden 50-Year Continuously Licensed Certificate from Chapter President, Jerome Havel, W2RRX.

ROYAL PALM CHAPTER No. 152

George G. Slade, W1GOG
4617 Lakewood Blvd, Naples, FL 33962

Twenty-nine members and guests (mostly XYLs) attended our December 12th, 1989 Annual Meeting and Christmas Luncheon at the Elks Club. The room and tables were decorated in style.

The following members were elected to serve for the year 1990:

Dick St Amant, W0MR	President
Dick Pettijohn, W0MIA	Vice President
George Slade, W1GOG	Secretary/Treasurer

Ken Hardman, W2DV, called our attention to an article in a recent issue of NAPLES DAILY NEWS on Elmer Wafering and Bill Lear, Co-inventors of the car radio, and who founded a company that eventually became Motorola. Wafering is now a resident of Naples. Ken who was acquainted with both of these gentlemen, recalled Bill

Lear's interesting sense of humor, citing the names he gave to his two daughters: Crystal Shanda Lear and Gay Cava Lear.

Each of the ladies present received a hand-made, straw angel Christmas tree decoration from the Straw Market in Nassau, and some poinsettia plants were won in a drawing. Chapter 152 presented a gift to the QCWA Silent Key Memorial Fund.

EL PASO CHAPTER No. 64

Robert J Carroll, SR, K5IE
10025 Suez Dr, El Paso, TX 79925-4636

At the regular meeting in October, 1989, membership of Chapter 64 voted unanimously to increase the local dues to \$5 per year. Also there was a lifetime membership made available to the Chapter members for ten times the annual rate.

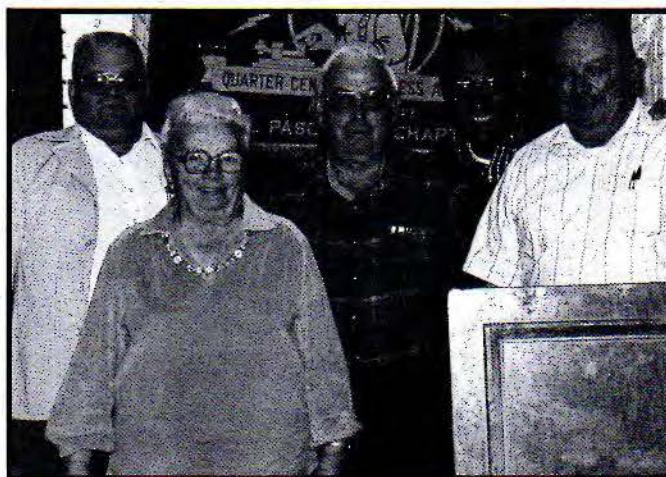
During the regular November meeting a nominating committee was announced for the forthcoming election of officers. Balloting was ordered to be polled at the regular December meeting.

The December meeting was held at Wyatt's Cafeteria in Basset Shopping Center. The newly elected officers were:

Amelia Wise, W5OVH	President
Manny Gonzalez, W2BFI	Secretary/Treasurer

Leo Oyler, W0GOW and Robert Carroll, K5IE, were elected to serve as Directors.

A 50-Year Golden Certificate was awarded to Gene Elliot, K5GFU. Gene was first licensed in 1939 as W5INH. His home at that time was in Little Rock, AR. Gene came to El Paso in 1950 and was one of the charter members of Chapter 64. His other hobby is music - he plays the saxophone, clarinet and organ.



In the picture above, L-R are: Robert Carroll, K5IE Director; Amelia Wise, W5OVH, President; Leo Oyler, W0GOW, Director; Manny Gonzalez, W2BFI, Secretary/Treasurer and, C. W. Hiett, N5HRD, Director.



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NUTMEG CHAPTER No. 149

Frederick Heffner, W1CKV
123 North Granby Rd, Granby, CT 06035

Connecticut's Nutmeg Chapter #149 held its quarterly luncheon meeting November 11, 1989 at Stripers Restaurant in Wethersfield, CT. Eighty members and guests turned out for the meeting which began at 11:30 AM, with the usual cocktail hour. After a splendid meal, Cal Bennett, W1KHL, opened the business session. It was announced that Joe Moskey, W1JMY, was recuperating from a recent illness and was doing fine and that Burt Hubbard, K1GHL, was entering the hospital for coronary surgery. Secretary George Spamer, W1DPR, reported that the roster of members was at 135, which isn't bad for a five year old group! Milt Chaffee, W1EFW, gave a report on his trip to the National Convention in Louisiana. From Milt's comments it was apparent that he enjoyed the meeting and would recommend that as many as possible attend the next Convention to be held in Kansas City (1990).

Activities manager Gladys Chase, W1VPL, introduced the guest speaker, Dr. Andrew P. Kerantzas, a member of the staff at the New Britain General Hospital in Connecticut. Dr. Kerantzas' topic was "Cholesterol and How to Cope Wit It", a subject that has been receiving much attention lately. In his talk, Dr. Kerantzas tied cholesterol to other factors including heredity and lifestyle, explained the difference between "good" and "bad" cholesterol and presented many guidelines to follow to avoid problems. He then responded to a barrage of questions from the floor and answer each in a clear and concise manner.

The meeting was then adjourned and the specialty glassware raffle was held with WA1CTZ, K1VH, W1FMU and K1NLW as winners.

DAYTON/CINCINNATI CHAPTER No. 9

Robert L. Dingle, KA4LAU
657 Dell Ridge Dr, Dayton, OH 45429

The Dayton/Cincinnati Chapter will hold its annual banquet in conjunction with the Dayton Hamvention on Friday, April 27, 1990, at Neil's Heritage House, 2189 S Dixie Dr, Dayton. Dinner at 7:30 PM, COD Bar at 6:30. Reservations are required and may be obtained from Robert L. Dingle, KA4LAU, address above. Reservations are \$14.00 per person. QCWA membership is not a requirement to attend. The speaker for the evening will be QCWA President, Harry Dannals, W2HD!

CENTRAL ILLINOIS CHAPTER No. 59

John M Vasicak, W9ZEN
124 N Glen Ave, Oglesby, IL 61348

Members and guests of Chapter 59, Central Illinois, held their annual fall meeting October 28, 1989, at the Pepper Mill Inn at Morton, Illinois. Chapter outgoing President, Bob Backlund, KV9A, began the meeting with introductions of those present. Following the introductions all present enjoyed a wonderful dinner prepared by those wonderful cooks at the Peppermill Inn. As usual many of those present helped themselves to seconds of the delicious

food.

Following dinner, President Bob conducted a short business meeting during which Harley L. Christ, W9ALU, was presented with two certificates . . . a QCWA Golden 50 Certificate and a Plaque commemorating 50 years of membership in the ARRL. Presentation of these fine Awards was by KV9A, President of the Chapter.

The Chapter's annual spring meeting is scheduled for the latter part of March, 1990.



In the picture above, L-R are: Bob Backlund, KV9A making presentation of the Awards earned by

DAKOTA CHAPTER No. 102

Dave Dekker, K0ERM
617 2nd Ave W, Mobridge, SD 57601

Dakota Chapter 102 held its Annual Meeting during August, 1989, at Mobridge, with only 6 of the 21 members able to make it. Our President, Lee, W0HOJ, was enroute when a stiff wind caused his camper to swerve and upset on the highway. He reported his wife, Virginia was unhurt. Some of his equipment got pretty well beat up though. He has since recuperated and is back on the air as NCS for the Chapter. Lee is at present undergoing surgery in connection with heart problems. The gang wish him the best, and figure he's too mean to let a little surgery keep him down.

We are looking forward to our next gathering of the clan in Hot Springs, SD on August 18 at the Dakota Ham Convention. All members are urged to take part.

Our SSB on the air Sunday morning at 1400 GMT on 3889 continues with about 10 to 12 regular checking in. If you haven't checked in, please do so! If not a chapter member, we'll give you a sales pitch! Chapter dues are only \$3 per year - a low cost way to get involved with a bunch of "gold ole boys".

Officers elected at the Annual Meeting retained the past officers. Lee, W0HOJ, President; Al, W0LX, Vice President; and Dave, K0ERM, Secretary/Treasurer.

The Chapter sends sincere regrets to the family of Hugh Lyon, W0CDO, who became a Silent Key in 1989. He is the only SK reported from our small chapter during the past three years.



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CLEVELAND OHIO CHAPTER No. 1

Robert E. Bloor, W8LYD
24338 Smith Ave, Westlake, OH 44145

During the year 1989, the Cleveland Chapter #1, held 4 membership meetings at Noon on Saturdays at Dimitri's Restaurant in Parma. The average attendance at these meetings was about 65. The last meeting was the Annual Award Luncheon, held October 14, 1989. The Featured speaker at the Award Luncheon was Ted Heithecker, W5EJ, General Manager of QCWA, from Irving, TX. The 1990 Officers, W8WGO, Chairman; W8OXA, Vice Chairman; W8LYD, Secretary and W8WAB, Treasurer were unanimously elected. During this Awards Luncheon, W8EFW, was selected as the Chapter's "Ham of the Year". W8OXA was given the Chapter's Meritorious Award, and W8GDQ was given the President's Award. 5 Members were given Certificates for their participation in the National's QSO parties. 15 Members were given Service Awards varying from 50 to 70 years.

During 1989, the Chapter's 2-meter net met each week with the smallest number of check-ins being 32 and the greatest number being 57, with an average of about 43. About 75% of the check-ins are Chapter Members. One Member, W8BSS, checked into every Net during 1989. The Chapter originated a "Chapter Membership Certificate" and had a Certificate printed for every Member who paid their 1990 dues. During 1989, W8PBZ, W8CEM, W8OQV, K8LXL, WA8COJ and W8KCY became Silent Keys and will be missed by all members. The Cleveland Chapter manned an "Eye-Ball QSO" table at the NOARS "WINTERFEST", Wellington Hamfest and the Cleveland Hamfest. During 1989 the four remaining living QCWA Life Members who were in the group who formed the Chapter in 1951, W8AF; W8KS; W8LY and W4YK, were made Chapter Life Members and join W8BSS and W8RN in this most distinguished group of "OLD TIMERS" in the Amateur Fraternity. During 1989, a group of Chapter Members formed a "Tally Committee" for checking the National's QSO Parties logs!

CANTON OHIO CHAPTER No. 21

No one, not anyone will ever accuse Canton Chapter of not getting started in time - just in case you're wondering, Canton Chapter will host the QCWA 1991 National Convention - and, they are already working to get the program off to a great start. HQ received info on a special program which is designed to build interest in the Convention Nationally and locally. Canton Chapter is preparing a very nice certificate which it will issue to any member who -- but, here's their release:

"A certificate will be issued to any amateur operator submitting proof of two way contact with 5 members of Canton Chapter 21. Submissions must be made before the date of the 1991 QCWA National Convention being held in the fall of '91. If you contact 5 Chapter 21 members, report on date, time, band, mode, call and name of the operator. All Chapter members will be listed in the 1990 QCWA Directory. Chapter 21 members will be found operating week days, Pajama Net 14310 at 1630 GMT; Sundays,

Mutual Aid Net 28.8 MHz at 1700 GMT; Sundays 14347 at 2000 GMT; Wednesdays, CW net 7035 KHz, 8PM EST and 2 meters 146.52, 147.57 and 147.42.

Logs and information to be sent to: Henry McLaughlin, W8OYV, 1508 Navarre Rd, SW, Canton, OH 44706! Who will be the one to get Certificate No. 1?

CENTRAL INDIANA CHAPTER No. 83

William W. Branche, K9CLO
6887 Dover Rd, Indianapolis, IN 46220

Chapter 83, inactive for some time, but represented in a solid way by Bill, K9CLO, got together a group of members at a special dinner meeting called for the express purpose of making presentation of the Golden 75 Award issued to Duke Schmidle, W9RA. Duke was first licensed in 1914!



In the picture above, Duke, W9RA, is shown at his station.



and, above, L-R are those attending the Award Meeting
L-R, Bart, W9GFA; Louie, K9EAT; Damon, W9PEV;
Duke, W9RA and Clyde, WD9BEU

Pictures were taken by Bill, K9CLO.



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SOUTHERN CALIFORNIA CHAPTER No. 7

William F. Stewart, K6HV
6334 West 77th Street, Los Angeles, CA 90045

The Fall meeting of Chapter 7 group took place at the CPO Club on Terminal Island. It was a luncheon meeting with 90 gals and guys attending. Pixies were present, and a slight SNAFU occurred regarding the meeting room for the event. As a result, there was no good place to hang the banner, and no good place to conduct business so, the group enjoyed a lot of good socializing!

One of the enjoyable events was the privilege of making a presentation of the QCWA Plaque for 1st Place in the Phone QSO Party for 1989. The winner was "Mr. QCWA" - Ralph Cabanillas, W6IL, who has participated in QSO parties for the past 31 years. The best he ever did was third place back in 1965. He finally made it against the best competition in the world - John, W4WKQ, who is a pro when it comes to contesting. Congratulations to Ralph for his victory, so sweet, after so many years.



The Presentation is pictured here, with Bill at the left and Ralph at the right!

CENTRAL FLORIDA CHAPTER No. 107

Jim Gundry, W4JM
2908 Forestgreen Dr, S, Lakeland, FL 33811

Fifty-two attended our January meeting at a new meeting spot, Sizzler Steakhouse, 3105 U.S. Hwy 98N, Lakeland (just south of US 98/I-4 intersection). Meetings are held twelve months a year, 11:30 AM each third Saturday of each month. We cordially invite all members of QCWA within driving distance to attend. Also, join in our Saturday net, 9 AM, eastern time, 7243 kHz.

The meeting featured installation of 1990 Officers. Those taking charge were: Frank La Londe, W4PBL, President; Tom Snipes, KM4OA, Vice President; Jim Gundry, W4JM, Secretary; and Charlie Stevens, K8RIF, Treasurer. Following installation activities, President La Londe presented special awards to a number of Chapter members:

Chapter Plaque of Appreciation, given to Charles Chapman, W4SVB for his contributions as Chapter President in 1989.

QCWA Meritorious Award, given to Charlie Stevens, K8RIF, for his long-term service as Chapter Treasurer

QCWA Golden Award to Svend Gormsen, W4SZ. Svend was introduced by his long-time friend, Jim Gundry, who spoke of Svend's illustrious career - Retired U. S. Navy Captain and, University Professor.

Several new members joined the chapter at the meeting with more as prospects for the near future. President La Londe outlined plans for 1990.



Pictured here, at left, Jim, W4JM; center, Frank, W4PBL and at right, Svend, W4SZ.



Pictured here, Frank La Londe, at left, presenting the Meritorious Award to Charlie Stevens, K8RIF, at right.



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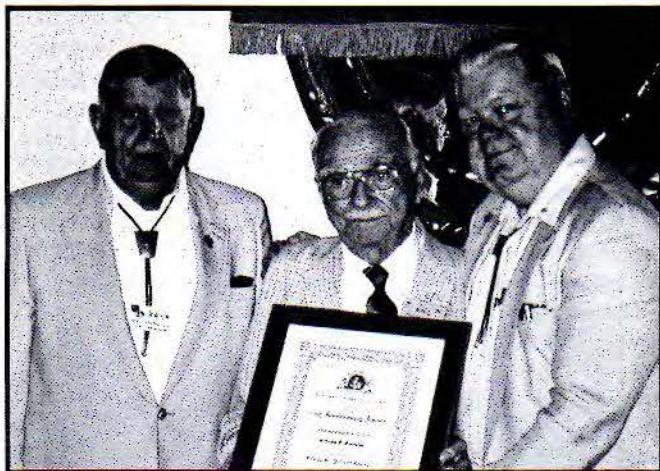
CHAPTER NEWS & REPORTS

PELICAN CHAPTER No. 128

Wesley Randles, W4COW
6002 North Fremont St, Tampa, FL 33604

QCWA President, Harry Dannals, W2HD, was present at a special meeting of Pelican Chapter in St Petersburg and presented the QCWA Golden 75-Year Certificate to Bill Franklin, W4KC.

Bill was first licensed in 1915 as 4BC. Bill was born in Birmingham, Alabama. His family moved to Florida where he spent his early years. In 1929 he became one of the first radio operators with Pan American Airways flying between Key West and Havana, Cuba. During WW-I Bill was a wireless operator with the U. S. Navy. In 1931 he went with the Government in what became the FAA, as an operator and maintenance engineer. He retired in 1963. He became W4KC in 1946.



Shown here, Bill, in the center, flanked on the left by Wes Randles, W4COW, and on the right by Harry, Dannals, W2HD.

LEO MEYERSON CHAPTER No. 154

Milli Bruner, WA6UZK
56282 Gold Nugget Rd, Yucca Valley, CA 92284

A Report on Chapter 154's fifth annual luncheon meeting - we enjoyed the highest attendance of all previous meetings. We were served 160 meals and they were all fully enjoyed. The service was excellent.

Our speaker, Lew McCoy, with 30 years of background at the ARRL, many years as a QCWA Director and years at CQ was well received. Our sing-a-long was accompanied by Leo Meyerson, W0GFQ, recently retired as a QCWA Director and namesake of our Chapter, on the piano and conducted artfully by Pat Higgins, XYL of Gerry Higgins, W9INP, of Carefree, Arizona, was a lot of fun.

A "55 Years as a Ham Radioman" certificate was awarded to our Vice President and former President at the time of our Charter, Bruce Peterson, W6JWL. John Aiton, W6HAG, of Chapter 130, received a 55-Year Certificate. One of our attendees, Harvey Seltzer, W9DLJ,

was noted to have been first licensed in 1921, 69 years ago. There were two known hams present who had been first licensed in 1922 and 1923. Our own Leo, W9GFQ was close, and was awarded a plaque for 60 years as a member of ARRL, a real honor.

Our Southwest Division Director WA6WZO, Fried Heyn, was present and brought us up to date with recent actions of the ARRL. Many raffle prizes were awarded with some for ladies only. A effort was offered by our President, Jim Bruner, W6CDK, to prevent the registration line from being so long next year.

SAN ANTONIO CHAPTER No. 38

Frances Bruemmer, W5KQG
1934 Arroyo Vista, San Antonio, TX 78213

QCWA Chapter No. 38, San Antonio, Texas had their first meeting in 1990 on January 27. We had our regular luncheon followed by self-introductions. There were 27, including spouses. There were two licensed gals in the group, Marty, N5FH and Frances, W5KQG. The regular business meeting was short, and the group enjoyed an interesting slide program by Louis Kocurek, on his trips to China.

Officers elected to serve the 1990 year are:

Louis Kocurek, W5VIV	President
Derwin King, W5LUU	Vice President
Frances Bruemmer, W5KQG	Secretary
Johnny Bruemmer, W5LVE	Treasurer

Gus Gikas is conducting the Chapter's Sunday night 8:30 PM on 28650 KHz. Please check in!

PIEDMONT CHAPTER No. 126

Edward L. Naher, K8YFR
PO Box 748, Pinehurst, NC 28374

Piedmont Chapter #126 is proud of its more than 64 members all in good standing. During 1989 five new members were enrolled and the Chapter was fortunate in not having lost any member as a Silent Key.

The Annual Chapter meeting was planned for December 9, 1989, in Pinehurst, but the meeting was cancelled due to a heavy snow storm, making driving conditions hazardous. The meeting was re-scheduled for March 10, 1990, in Pinehurst.

The Chapter on-the-air net is held Sundays at 0200 UTC, SSB on 3935 kHz. Average attendance is 17 checkins.

**WATCH FOR YOUR BALLOT FOR THE
1990 ELECTIONS - DUE
ABOUT MAY 15!**



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NIAGARA FRONTIER CHAPTER No. 65

Kenneth R. Palmer, K2FJ
12750 Williston Rd., East Aurora, NY 14052

Niagara Frontier Chapter is saddened to report the recent passing of three of its members. QCWA and Amateur Radio in Western New York will miss them sorely.

Those who have passed on are:

Fred Gerber, W2UGY - Retired from New York Telephone Co.

Earnest Roy, W2RX - Founded the Buffalo Radio Institute in 1945, and was Technical Supervisor at Radio WBEN/WBEN-TV when he retired

Ted Podd, W2KX - An Engineer during WW-II working on the proximity fuse and other missile devices. He was President and GM of Radio Station WXRA



Pictured above, at far right, Ted Podd, W2KX, at the December, 1989 Chapter Christmas Party.

CHATTANOOGA CHAPTER No. 115

Charles E. Curle, AD4F
8719 Snow Hill Rd, Ooltewah, TN 37363

The Chattanooga Chapter QCWA, #115, held its annual meeting January 30, 1990 in a local restaurant. President Joe Duncan, W4ECW, opened the meeting with the usual opening remarks, then opened the floor for nominations for the Officers for 1990. The Offices of President and Vice-President were retained by the present officers, while the combined office of Secretary Treasurer was filled by Mr. Bill Lawson, K4IOP. Bill was elected by unanimous vote and a round of applause was given to the retiring Secretary/Treasurer, Charles Curle, AD4F, for his many years as an officer of the Chapter. Joe reminded members that they MUST be current with National to be counted as a member, not just current in dues with the Chapter.

President Duncan then introduced the speaker for the evening, Mr. Phil Glidewell, Area Operations Manager for Telescription Cable

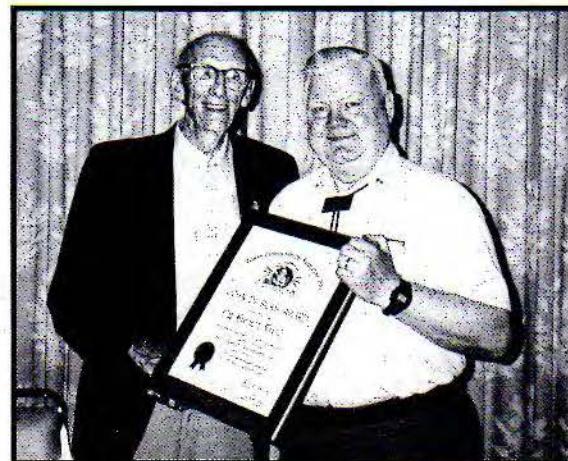
Company. Phil explained the basic method of feeding a TV signal from their antennas to the cable, then the path it takes to get to your house, and all the pitfalls that can trip things up along the way. He also answered questions to the satisfaction of all and invited any of us to call him any time that we detect any leakage from the cable system.

After the program Joe announced with sorrow, the death of Hod Hodnett, K4IBS. The meeting was then officially closed, permitting members to visit with each other before returning to their homes.

THE 1990 MIAMI HAMBOREE

One of the truly outsize hamfests is the annual Hamboree and, 1990 proved to be up to expectations. Somewhere in the range of 10,500 to 11,000 hams were on hand for all or parts of the 'fest'.

Not to be outdone, QCWA President Harry Dannals, with XYL Kay, took part in many of the activities. Harry with Wes Randles, W4COW, attended various functions among which were the QCWA/Radio Club of America joint luncheon at the Hilton Inn. Many QCWA members were on hand and witnessed the awarding of QCWA John Di Blasi Honor Award to Nat Burnett, K4OL. Nat, Charter Member #43 member of QCWA along with Harry's Father, Earl Dannals, W2GG were among the founders of QCWA.



Pictured here, Nat, K4OL, at left, receives his Honor Award from President, Harry, W2HD. Picture and story by Wes Randles, W4COW

SPACEPORT CHAPTER No. 66

Wesley Randles, W4COW
6002 North Fremont St, Tampa, FL 33604

A special meeting of Spaceport Chapter was the scene of awarding a number of QCWA special Certificates. Among those receiving recognition was Walt Maxwell, W2DU who received the Presidents Award, issued in recognition of his contributions to practical antenna theory and design. His seven articles entitled "Reflections" that appear in QST several years ago have proven to be of great value to all who work with antennas and transmission lines. The articles

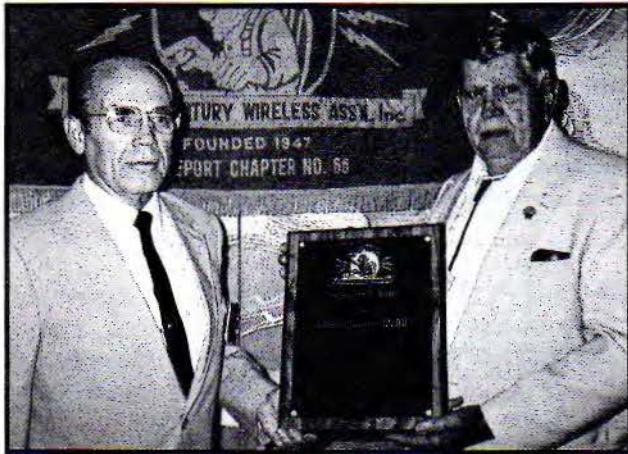


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are to be published as a book later this year.



Walt is shown here receiving his award from Wes Randles, W4COW

Spencer Allen, K0REC, was presented with his Golden 50-Year Certificate during the special Chapter 66 meeting.

QCWA member Robert Baird, W9NN QCWA charter member 52 was awarded the prestigious QCWA John Di Blasi Award. Robert was first licensed 8BTI living in Dayton, Ohio, in 1920. Bob first operated spark. He moved from Dayton to Chicago in 1926 and received the call 9NN. He worked with Radio WGN for 36 years, retiring as Engineering Supervisor.



Robert is shown here receiving his award from Wes Randles, W4COW

WESTERN OZARK CHAPTER No. 171

Marshall B. Turner, K0ADM
PO Box 504, Golden, MO 65658

Western Ozark Chapter reports its first meeting of 1990 and a good one it was. We added three new members with more to come. Over 40 members, guests and wives were in attendance.

The Chapter has submitted a copy of the final draft of its Constitution and By-Laws to HQ. In December, Dr. John Stockton, N5DX became a Silent Key and will be missed by all.

Officers for 1990 elected and installed are:

Kenneth M. Kliman, KF5UC	President
Charles Tillotson, N5NXH	Vice President
Marshall Turner, K0ADM	Secretary/Treasurer

QCWA ACTIVITIES MANAGER

Onie Woodward, W1ZEN

QCWA TAPING COORDINATOR

Blanche Randalls, W4GXZ

LUBBOCK TEXAS CHAPTER No. 78

Fred L. Marble, Jr., AA5DN
5423-12th St, Lubbock, TX 79416

The Annual Chapter meeting was held January 20, 1990, at Gillies Restaurant in Lubbock. The major event of the meeting was a report on the recent trip through Asia, by Chapter Secretary, Fred, AA5DN.

Officers for the 1990 year are:

C. W. Brewer, K5KNC	President
Fred L. Marble, AA5DN	Secretary
Gerald Grant, WB5R	Treasurer.



Pictured above are some of those attending the meeting. L-R they are: Ted Quan, W5EXG; Bill Brewer, K5KNC; Fred Anderson, KD5I; Bill Mingus, W5ZH; Perry Bell, W5SOD. Picture by AA5DN.



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The following is a list of members of QCWA that can no longer be reached by the U. S. Mails.
All of those listed were sent copies of the QCWA Journal which were not delivered but were destroyed by the USPS because of incorrect address. We were advised that mail cannot be delivered. Accordingly We have marked these records so no further mail will be sent until an address correction is received.

Your help in getting corrections will be appreciated.

15547	K2BA	AARON, BERT S.	BOX 119AZ, MT FALLS RT	WINCHESTER	VA	22601
12020	KC4ZC	ADAMS, ROGER W.	637 TREMONT ST	SARASOTA	FL	34242
05243	WB2Z	ALEEN, HUGH E.	401 THIRD AVE	HADDON HEIGHTS	NJ	08035
02131	W4YSO	ATWOOD, N. A.	508 BRECHIA DR	WINTER PARK	FL	32792
07368	W9NJH	BADE, RAYMOND P.	19 HOLLYWOOD DR	MADISON	WI	53713
12065	W7QPT	BAILEY, ORVILLE P.	1032 N 24TH SP 6	SEASIDE	OR	97138
18201	W4PWS	BASWELL, AVERY C. SR.	4401 NARROW LN RD	MONTGOMERY	AL	36116
07312	W5LJT	BELL, WILLIAM W. JR.	11910 DONCASTER	HOUSTON	TX	77024
05061	W4ZEB	BLAKE, DAVID E. II	924 22ND ST W	BRADENTON	FL	33505
14959	W8FBG	BLANCHARD, ROBERT E.	7106 FIELDSTONE LN	NEW PORT RICHEY	FL	33553
20743	NQ0N	BLAYLOCK, PATRICK	463 W MEADOW	PALO ALTO	CA	94306
16616	W2HHI	BRACE, PAUL K.	120 GREENLAWN RD	AMAWALK	NY	10501
02261	K9KCQ	BRADBURN, WILLIAM G.	6144 EVEROT ST #E	NEW HAVEN	CT	06511-1345
05033	W2R00	BRADLEY, J. ROBERT	555 SE 6TH AVE #8F	DELRAY BEACH	FL	33483
19805	W1NIA	BROOKES, MILES T.	P.O. BOX 511	YONKERS	NY	10710-0511
09973	W6PSI	BROWNSTEIN, KARL	7895 CLAIREMONT MESA BLVD	SAN DIEGO	CA	92111
12563	WB7UIR	BURDICK, EARL E.	GEN DLY PROJ OLIVE HARVEST	APO NEW YORK	NY	09253
02799	WB7JW	BURNS, MERYL C.	646 JUBILEE ST	MELBOURNE	FL	32940
09330	K5OS	BUTLER, J. A.	362 RICHMOND DR #4	MILLBRAE	CA	94030-1747
21351	WB8BNS	CHAMBERLAIN, EDGAR A	5305 ASHFORD PL	SARASOTA	FL	34233
07168	W2FQ	COHEN, CHARLES B.	1724 LENOX AVE	EAST MEADOW	NY	11554
00104	K2AY	COOK, GEORGE J.	AQUEDUCT RD. RD 2 BOX 168	PEEKSKILL	NY	10566
09637	W7IFZ	COREY, JOHN F.	620 CLELAND ST	BUCKEYRS	OH	44820
20075	K4BGZ	CRONEBERGER, LOUIS T	5204 W LAKE RD	VIRGINIA BEACH	VA	23455
13640	N4B00	CURRY, A. MALCOLM	1250 PINEBROOK RD	VENICE	FL	34292
05170	KL7CUK	DAVIE, LEROY	1690 NESBITT ST	DELTONA	FL	32725
20125	W10GK	DONOVAN, ANDREW J.	219 HERON RD	CLEARWATER	FL	34624
18083	KA0BJP	DOTY, RONALD E	3228 W 17TH ST	GRAND ISLAND	NE	68803
10755	W2JKF	EDINGER, J. R.	2854 SW MONARCH TR	STUART	FL	34997
03218	W2GA	FARRELL, DON L.	GENERAL DELIVERY	VENICE	FL	34284-9999
12960	WB8SOU	FENSCH, EDWIN A.	474 PARKVIEW ST	MANSFIELD	OH	44903
06053	W6MH	FISHER, CLIF. E.	14144 SHERMAN WAY	VAN NUYS	CA	91405
06921	W5VL	FITZHUGH, JAMES V.	4415 RIO D ORO DR #114	SAN ANTONIO	TX	78233
14180	W5EOR	FORTENBERRY, ALLEN B.	RT 6 BOX 73G	AUSTIN	TX	78737
19722	W5UQN	FOX, GEORGE E.	RT 6 BOX 461	MOUNTAIN HOME	AR	72653
10950	VP9A	FRAY, CLARENCE	PO BOX 241	HAMILTON 5		BERMUDA
09097	N4CBU	FREDERICK, C. R.	34 RIVER RD	ORMOND BEACH	FL	32074
15471	W9QHW	FRY, JAMES D	24437 HARBORVIEW RD SITE 67	CHARLOTTE HARBOR	FL	33950
21527	KS8O	FUHR, DON L	8374 YUMA DR	POWELL	OH	43065
19257	WA6TBH	FURLONG, RAYMOND AUSTIN	8735 CHESTER ST	PARAMOUNT	CA	90723
20164	VE7ZC	GERTSMAN, STEVE	866 KING EDWARD AVE	VANCOUVER, BC	V5Z 2E1	CANADA
22103	W6AVX	GOODWIN, ARTHUR ALLAN	247 DEL PARAD DR	DALY CITY	CA	94015
00272	W2LH	GREENBERG, ARTHUR	PO BOX 311 PARK ST	WADING RIVER	NY	11792
09600	W2EEO	GREENBERG, MADELINE	PO BOX 311 PARK ST	WADING RIVER	NY	11792
07834	W4QF	GREGORY, JOHN W.	6495 KILLIAN DR	MIAMI	FL	33156
01063	W2DV	HARDMAN, KENNETH V.	1775 HURRICANE HARBOR LN	NAPLES	FL	33940
08599	W4ETE	HARDWICK, ROBERT S.	HC80 BOX 13866	LILLIAN	AL	36549
20939	W4LZR	HAWKINS, OWEN C	214 2ND LANE	PAIM BEACH GARDENS	FL	33418
22268	K8KBF	HENDERSON, GEORGE T	1703 CEDAR POINT RD	SANDUSKY	OH	44870-5210
20885	K4CIH	HENDERSON, THOMAS A.	2901 15 PL EAST	TUSCALOOSA	AL	35404
00145	K4JBI	HERTZBERG, ROBERT	166-36 24 RD	WHITESTONE	NY	11357
19226	WA4VJE	HINTZ, PAUL A.	1601 18TH AVE W.	BRADENTON	FL	3420533505
22280	W7ORN	HOUSE, HOWARD A	302 S FILMORE	KENNEWICK	WA	99336
07412	W9WJH	HOUSTON, ALLAN F.	155 WEBSTER HTS	GREEN BAY	WI	54301
19753	K3IMJ	JACOBSON, MELVIN L	1405 CRESTRIDGE DR	SILVER SPRING	MD	20910
17358	W6CDN	JOHNSON, IRWIN R.	17 SUVA CT	SAN RAMON	CA	94583
03416	W02XX	JOHNSON, WES R.	3411 EDGEWORTH PL	WICHITA	KS	67208
07038	W9CO	KNOCHEL, RAY F.	5531 FORESTER DR	ROCHELLE	IL	61068-9229
22301	W2NL	KOLB, JOSEPH A	RT 4 BOX 138A	HILLSVILLE	VA	24343
03621	W3LNX	KRUTE, SIEGFRIED	300 INTERNATIONAL CR #211	COCKEYSVILLE	MD	21030
01782	W3BB	KURZ, AUGUST W.	1537 PALMLAND DR	BOYNONTON BEACH	FL	33436
10610	VE3KN	LA PRADE, T. J.	PO BOX 23	WENDOVER, ON		KOA 3K0 CANADA
10780	W5OYP	LARK, JAMES H.	3633 LEGENDARY APT 111	DALLAS	TX	75224
22058	K8RL	LEE, ROBERT EARL	PSC BOX 23006	WRIGHT PATTERSON AFB	OH	45433
22293	K8JON	LEWIS, WAYNE L	5930 VIA LUGANO	NAPLES	FL	33963
12173	W6QOO	LINDSEY, DOUGLAS E.	8536 KERN CANYON RD #81	BAKERSFIELD	CA	93306



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21239	NE4S	LOWRANCE, RON	3960 SPANISH OAK DR	DORAVILLE	GA	30340
08386	W3AQY	MAC IVOR, WILLIAM H.	909 E 37TH ST	ERIE	PA	16504
11153	W5SOL	MARTIN, RALPH J.	44755 FLORIDA AVE #33	HEMET	CA	92344
06225	W6QH	MAULE, HAP	2220 TULARE ST #714	FRESNO	CA	93721
18896	W5VWK	MC MAHON, BERNARD P.	14001 EL CAMINO REAL10513 OAK ST	OCEAN SPRINGS	MS	39564
08661	W22HZ	MC CABE, WILLIAM B.	308 DOGWOOD DR W	PORT RICHEY	FL	33568
04038	K9DJH	MC CALL, R. FLOYD	7910 CORTLAND PKWY	ELMWOOD PARK	IL	60635
19713	VE3KNY	MCCOLLOM, FRANK BYRTSEL	1420 VICTORIA PK AVE #224	TORONTO, ON		M4A 2P7 CANADA
06211	N4CYG	MC CUTCHEON, GEORGE	RT 1 BOX 436-M	MORGANTOWN	NC	28655
06829	W6TRP	MC FADZEAN, JOHN	513 FRIANTI CT	BAKERSFIELD	CA	93309
15085	K5ON	MC KEAN, STAN	PO BOX 15201	KANSAS CITY	MO	64106
19397	KE4PI	MCLELLEN, JOHN F.	RT 4 BOX 385	SEVIERVILLE	TN	37862
09381	KC8ID	MC MILLEN, JACK R.	1960 PACKARD RD	YPSILANTI	MI	48197-1818
01711	W8CAT	MCNUTT, RICHARD L.	10421 CURTIS LN	UNION LAKE	MI	48085
08090	W8EYH	MILEY, R. CLARK	85A BLUE JAY DR.	ZEPHYRHILLS	FL	33599
06706	W5CP	MILLER, J. RALSTON	37 WALTHAM ST	HAMMOND	IN	46320
10768	VE7YB	MILLER, K.L.	1701-105 QUAY SIDE DR	NEW WESTMINSTER, BC	V3M 1C5	CANADA
19135	WONDS	MOAG, RODNEY	1705 BROADWAY	ANN ARBOR	MI	48105-1813
04419	W7GNY	MORGAN, FRANK M.	13444 3RD AVE S	SEATTLE	WA	98168
18146	W3BOU	MULLINS, FRANK G. JR.	2400 S OCEAN DR APT 6124	FORT PIERCE	FL	34949
20124	K8ZBP	NISSEN, TED	422 W CATAWBA RD	PORT CLINTON	OH	43452
20120	W8PFO	ODELL, MALCOLM P.	4652 CATAWBA WOODS DR	PORT CLINTON	OH	43452
08000	W5KI	OLDS, HOWARD R.	5614 BROMAN LN	PHELPS	WI	54554
12293	W6TQB	PARKER, CHARLES N.	PO BOX 602	BELLFLOWER	CA	90706
20683	K7JJY	PATTON, PAUL E	716 E DENNIS	TUMWATER	WA	98501
19521	AA4TF	PERKINS, HAROLD V.	14260 RIALTO AVE	BROOKSVILLE	FL	34613
15844	KB6LK	PETERS, WILLIAM F. JR.	259 CLOVER	AZUSA	CA	91702
20915	WA8IKW	PIPNUR, JEFFREY JOHN	BLDG 7112 LYREWOOD LN APT 249	OKLAHOMA CITY	OK	73127
06761	K6CQD	PORRAZZO, RALPH J.	2219 MARSHALL NE 8	MINNEAPOLIS	MN	55418
01394	W1DTB	POTTER, PAUL M.	165 F CARL AVE #183	BROCKTON	MA	02402
06609	W8IAC	PRESTED, EDWARD	PO BOX 338	INDIAN RIVER	MI	49749
12759	WOSBZ	RAMSEY, VERNE KAYE	6115 KANSAS AVE	OMAHA	NE	68104
03095	KC7NO	REICH, JACK E.	RT 1 BOX 109B	CHELAN	WA	98816
12445	W8HIN	RICH, GILBERT L.	7715 68TH ST SE	ALTO	MI	49302
18862	WA2PXK	ROMMEL, PAUL A	27 LEXINGTON CT	RED BANK	NJ	07701
02153	W7DZT	ROSEMAN, EDWARD D.	3290 FISHER RD NE	SALEM	OR	97303
07618	W8SPX	SCHAAFSMA, LEONARD	2243 LAKE MICHIGAN DR	GRAND RAPIDS	MI	49504
05970	VE5EN	SCOTT, JOHN A.	448 AIRLIES ST	WINNEPEG, MB	R2X 2A8	CANADA
08296	VE3LJ	SCRIVENS, A K	406 WOODFIELD	OTTAWA, ON	K2G 3W9	CANADA
11096	W6JPX	SELENIUS, ONNI ERIC	PO BOX 909	APPLE VALLEY	CA	92307
07361	W2EVC	SIEGEL, ROBERT	496 PARK ST	UPPER MONTCLAIR	NJ	07043
06850	K3OKS	SIMMONS, VAUGHN P.	4665 S LANDINGS DR	FT MYERS	FL	33919
21022	W8EK	SIMPSON, KENNETH L	6865 NANCY JO ST NW	NORTH CANTON	OH	44720
16740	W4OBY	SIPPRELL, RAYMOND F	59 S SEWALLS POINT RD	STUART	FL	34996
20447	NR2K	SMITH, ALFRED G	11 IRVING PL	LYN BROOK	NY	11563
19295	WA8AIU	SNYDER, EARL L.	6422 CLILTERN RD NW CANAL	FULTON	OH	44614
15519	W2YC	STROUT, DAVID J.	PO BOX 732	WOODBURY	NJ	08096
12546	W5TQI	TIMBERLAKE, HERBERT Z.	4812 HOLLOWBROOK RD	FT WORTH	TX	76103
02959	W5KZ	TITTLE, CHARLES W.	102 CORONADO WAY	CARY	NC	27511
06079	W0VWW	TUEL, E. E.	10106 QUIVERA	LANEXA	KS	66215-1981
10800	W3TPW	VAN HOUTEN, ELBERT H.	631 SOMMERHEIM DR	ERIE	PA	16505
06616	W4ADW	WALTERS, MARTIN T.	PO BOX 216	ZEPHYR HILLS	FL	33599
20242	WASC	WATSON, GEORGE	RT 6 BOX 372	CLAREMORE	OK	74017
13208	W5UNY	WATSON, WILLIAM P	920 CENTER ST	MINDEN	LA	71055
02309	K4HE	WEIBBLE, NORMAN R.	704 NIGHTHAWK WAY	N PALM BEACH	FL	33408
10823	W2CZT	WETHERALD, ROBERT W.	80 OTTER RD	HILTON HD IS	SC	29928
11693	W7HPV	WHITE, HOWARD F.	4331 TERRACE DR	EVERETT	WA	98203-2205
19346	W7LWA	WHITTIER, M. L.	73276 BROADMOOR DR	THOUSAND PALMS	CA	92276-3900
18164	WA2CII	WILKERSON, VICTOR O	405 LA GRANGE ST	VESTAL	NY	13850
22619	W7PFW	WILLINGHAM, WILLARD E	2143 SE MAIN ST	PORTLAND	OR	97214
07211	WB4RHI	WILSON, H. S.	160 DANFORTH DR	CHARLOTTE HARBOR	FL	33950
02941	K4BG	WINTERMUTE, VERN M.	2210 KIDWIN LN	LAKE WORTH	FL	33461
22637	W8JB	WOLFE, FLOYD E	7 MARILLA LANE	LAKE PLACID	FL	33852
14521	N4PW	WOOLLEY, DOUGLAS J	AMERICAN EMBASSY	APO MIAMI	FL	34033
16070	KN6M	YOUNG, MORRIS J.	RT 1 BOX 300A	ALLEN	TX	75002
03589	W3APA	ZEMAN, ANTHONY	1716 PIN OAK RD	BALTIMORE	MD	21234
00282	W8LY	BAKOS, MICHAEL A	4306 WEST 137TH ST	CLEVELAND	OH	44135
03598	W8DNC	RIEGLER, LEN A	3436 AZALEA, NE	CANTON	OH	44705

Address corrections should be sent to QCWA, Inc
1409 Cooper Dr, Irving, TX 75061-5527

Thank You!



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BARNEY'S ANTIQUE EXCHANGE

Managed by Barney Moffatt, W5CJZ

5714 Trail Meadow Dr., Dallas, TX 75230

Barney's Exchange has been a popular feature of the Journal for more than ten years. It's free to QCWA Members
If you would like to advertise for an item, or to trade, or sell an item, write to Barney with details.
He'll get it published in the Journal

Neither QCWA, its' Officers, Directors, General Manager or Barney assume responsibility
for misrepresentation or loss. If you have problems, write to us!

WANTED - in good condx: Lafayette HE-30 or (KT-320); Moseley CM-1; Hammarlund HQ-215; Collins 75S-1 or 75S-2; Heath Q-Multiplier; Skillman Bug; early 1960s copy of "How to Become a Radio Amateur"; 1963 and 64 issues of QST & CQ magazine; copies of Radio and R-9 magazine.

Dave Heil, J52US
5875 Cedaridge Dr
Cincinnati, OH 45247

WANTED - "Lightning Bug" Vibroplex, circa 1955 - grey base, rectangular cube weight, fiberboard paddle. Also, 1955 issue of Callbook having KN0CHE listed.

Nate Williams, W9GXR
6915 Prairie Dr
Middleton, WI 53562

FOR SALE - Yaesu FNB-4 battery; OA-3 Car Adapter/charger; MH-12 Speaker Microphone; NC-18B battery wall charger; MMB-12 Mobile Bracket. All new in boxes. Ham-Key combination iambic paddle and straight key on heavy black base, new, never used. Also, Telex/Hy-Gain 18AVT/WB-S vertical antenna. Self supporting 80-10 meters. Low angle of radiation for great DX. Full legal power, like new in original box

James J. Sebastian
2445 Lakeridge Shores East
Reno, NV 89509
702 827 3074

WANTED - Hallicrafters SX-88 receiver - Collins 75A-1 receiver

Ben Deovlet, W6FDU
933 Robin Lane
Campbell, CA 95008
408 374 0372

SELL/TRADE OR - GE Ham News, Vol. 6 through Vol 10 (1951-1955), hardbound. Antenna Manual by Woodrow Smith, 1948, hardbound. Ninth edition of the Radio Handbook, 1942. NRI Service Manual by John Rider, 1598 pages, published 1946, schematics and parts lists. 1957 ARRL Handbook. Heathkit "Twoer" with Manual, nice. Clegg "Venus" six meter XCVR with power supply and manual. Offers on all or any. I need WH-7 or MP-1 wattmeter and 3-500Z

tubes.

Warren Snyder, KI6LE
PO Box 677, Milan, TN 3358
901 686 7126

WANTED - Schematic for: Clegg Venus 6 mtr transceiver; Hallicrafters S-108 receiver; CW filter for Yaesu FT-625RD 6 meter transceiver.

Larry Burkett, WA7SOU
4705 NE 114th St, Vancouver, WA 98686
206 574 5379

FOR SALE - Rare small brass/hard rubber keys; Bunnell three arm resonator; bugs which won't slide around on your desk; Dispatcher's "Squawk Box" (great for depot restorations); Message racks, rare bugs. WANTED - Broken non-operating bugs! Send \$1 for telegraph catalog.

W. C. Hess, W6CK
Box 19, Pasadena, CA 91102

WANTED - National Receivers, SW-2; SW-3; SW-4; SW45; SW-58; SW-57; AGS. Any Patterson receiver; any Breting receiver. RME-9; McMurdo Silver 3A; Collins 32V-2 or 32V-3. Johnson Ranger, Johnson Kilowatt. Atwater Kent "Breadboard".

Weldon S. Barnes, K6PFW
848 North Silverwood
Upland, CA 91786

WANTED - Resistor, 12K - 50 watt, with sliding taps

J. J. DeSousa, Jr, W1OKK
29 Whiting St, Plymouth, MA 02360

WANTED - National HRO-7 in unmodified, good condition!

Mike Eyman, W0XM
RR 2, Box 366, Garnett, KS 77032
913 898 4695

NEED HELP - Parts for Hornet TB-500 triband beam. Need the coil unit and tip unit of the director element. In addition, need information on spacing of elements. Can you provide a copy of the instructions and perhaps the parts required?

Russell Henry, W5HRS
526 N 2nd Ave, Sterling, CO 80751

WANTED - Old communication receivers for restoration and display. Particularly need national HRO, RME69, and old Hallicrafters with silver panels. Anything from the 20s and 30s is of interest. Look in your junk and see what you don't need anymore.

Dave Medley, KI6QE
1450 Bayview Hts Dr,
Los Osos, CA 93402
805 528 4956

WILL TRADE - Two HC-25U crystals 146R925 MHz and 146R955 MHz for one HC-25U crystal 146R940 MHz.

Thomas O. Moore, K3LTV
262 Patterson Rd, Bethel Park, PA 15102

WANTED - Oscillator/amplifier assembly 650-P1 for General Radio 650-A impedance bridge; Speaker cabinet for Collins 75A3 receiver. FOR SALE - National receiver HRO50T, with 5 sets of coils, xlnt condx, photo on request, \$150 plus shipping costs. National 300 receiver, with speaker and VHF converters for 6, 2 & 1.25 meters in National matching cabinet, \$170 plus shipping, photo on rqst. National Receiver, NC-190, in good working cdx, \$60 plus shipping, photo on rqst; 3 rack mount brackets (with panels) for Collins equipment, 30L1, KWM2A & 312B5, ext. osc \$40 each, or 3 for \$100 plus shipping. Photos on rqst. I use UPS shipping, do my own packing and insure all for \$100. All items sold with understanding that if not satisfactory, money will be cheerfully refunded.

Fred A. Linn, W9NZF
5608 Edgewater Dr, Cedarburg, WI 53012
414 377 3280

WANTED: Copies of the Radio Amateur Callbook, Editions 1920 up to 1926, inclusive. Section covering Germany with the prefixes K and EK4 and Saargebiet with the prefixes EZ and TS. Write me!

Heinz Schifferdecker, DL7AC
Orchideenweg 15
5000-Cologne-9, West Germany



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BARNEY'S ANTIQUE EXCHANGE

WANTED: Manual or copy for Simpson VTVM Model 266 and for Gonset Communicator VFO (6, 2 & 220). Will buy or swap for what you need.

Alex Hellman, W2OEQ
83-55 Woodhaven, Blvd, Woodhaven, NY
11421
718 846 0494

FOR SALE: Hallicrafters S-40 B receiver, mint cdx, \$100.

Bill Hawkins, W5EC
5401 Thomas Dr, Panama City Beach, FL
32408
904 234 2748

FOR SALE: All issues of OLD TIMER'S BULLETIN (AWA), December 1978 - November 1988. \$7.00

James S. Collier, K2QB
100 Redwood Ter, Williamsville, NY 24221
716 688 8293

READ THIS - Hytron HY-69, GE 807s, Westinghouse 806, JAN 250TH, 837s and other tubes in original cartons. Also some used, condx unknown. If you can use them you can have 'em for shipping cost.

Ken Johnston, W7LIX
7521 York Rd, Helena, MT 59601
406 475 3768

WANTED - QSL cards, 1930 - 1969; Globe Chief Delux & LA-1 Linear; Ameco PS3AC supply and AC-1 xmtr; Lafayette Voyager & Starlite transmitters; small CW transmitters, i.e., WRL CW7, Walter Ashe, Homebrew OK, Philmore CR5 RX; Matric Model 50 QRP CW xmtr; Kantronics Rockhound & 8040B CW RX; and any other unusual ham xmtrs and RXs. Top dollars for excellent to mint units.

Gary Wagner, K3OMI
11124 Oak Hollow Rd, Knoxville, TN 37932
615 690 4217 (days)

WANTED BY COLLECTOR: Any information, documentation, sales literature, etc, to help restoration projects of these early transmitters: REL, Cat. #206; BC-110; Collins 32A or 32B and 300X or 300 XC. Also, old issues or copies of the Collins Signal newsletter

Parker, W1YG
745 16th AVE, South
Naples, FL 33940

WANTED: AC power supply NCX-A for the NCX-3 transceiver. Will buy or you can donate. Will pay shipping charges. Also want AC power cord for the SBE 33 Transceiver.

Don Simonsen, K7AEJ
Rte 12, Box 329, Texarkana, AR 75502

FOR SALE: Collins S-line, 323S-1 receiver, 75S-1 transmitter, 516F-2 power supply, Collins speaker, all tubes and manuals, cables, etc. Mint appearance. WW-II Jap aircraft receiver with tubes. Two heavy 2.5 MFD filter condensers working voltage 3 to 3.5 kV. Circa 1922 Westinghouse RA receiver & audio amplifier with tubes, fine appearance. Will consider best offers.

M. Eidson, W5AMK
Box 3751, Temple, TX 76505

WANTED: Navy Model DU-1 RDF receiver. I have loop coupler. Military Model TRM-1 RF Signal Generator main frame. I have plug-in RF module.

Ed Clerklin, K6CNI
1305 San Marcos Ct, San Luis Obispo, CA
93401
805 544 3088

FOR SALE: 70-foot tower - \$90.00
Drake T4XB - R4B & SM4 Power supply - \$150

M. G. Gudzin
9533 Angle Ridge, Dallas, TX 75238
214 347 6179

FOR SALE: Two Gonset Model 3220 - 3 band, 3 element beam antennas

1 - ready to use \$50.00
2 - needs TLC \$15.00

L. F. Wanja
804 Shady Ln, Dallas, TX 75208
214 942 6862

**WATCH FOR YOUR BALLOT
FOR THE 1990 ELECTIONS
IT WILL COME TO YOU
ABOUT JUNE 1!**

WANTED: DORON BROTHERS ELECTRIC COMPANY, Hamilton, OH wireless equipment * catalogs * Literature * or any information. Also, Ten-Tec RX-10 receiver and TX-100 transmitter and, Crosley receivers and related items, advertising, paper material, etc.

Charles Stinger, W8GFA
404 Ross Ave, Hamilton, OH 45013

WANTED: Schematic, set control knobs and caps for push buttons for a Model 02CP Crosley radio. Also need 450 pFd wide spaced capitor, National Type S-101 S.G. Coupler and 2 Hammarlund MC-100-S variable capacitors

George H. Hughes, W1ALL
22 Kline Rd, Southwick, MA 01077

WANTED: Gonset G-28 & G-50 transceivers in good or better condition with manuals preferred but not essential. Also, plate transformer 350-400 V, CT at 45 or more mA and (2) 6-Henry chokes at 45 or more mA. Want mid-1950's edition of "How to become a Radio Amateur". Need National type "K" dials, also velvet vernier. Want tube sockets, 4 and 5 pin, ceramin and phenolic.

F. W. Belghaus, N2EEC
7-22 Mansfield Dr
Fairlawn, NJ 07410

This space is provided for the use of QCWA Members and is free of charge. Send your ads to W5CJZ as early as possible to insure that they are published in the Journal.

Check the information on your mailing address label - if there are errors or omissions, write to
QCWA, Inc
1409 Cooper Dr, Irving, TX 75061



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MEMBERS NEWLY ENROLLED IN Q C W A

The Winter, 1989 QCWA Journal published a list of Newly Enrolled Members
in which names were inadvertently omitted. Members
22798, 22799, 22800 and 22801 were, due to a programming error, left out.

Information on those members is printed herein and apologies tendered for the oversight

22,798	Ward, Donald	W0RTV	St Louis, MO	John Ellison	W0ERZ
22,799	Overman, Michael	W3BSY	McLean, VA	-	-
22,800	Blumenfield, Jeffrey	KB3DX	Washington, DC	-	-
22,801	Dinkelman, John H	KC7AW	Salt Lake City, UT	Clement K Chase	W7JGU
* * * * *					
22,870	Reith, David Jerome	W8HFY	Kent, OH	-	-
22,871	Doehr, Roger V	W9DLY	Hayward, WI	-	-
22,872	Kirschbaum, Carl	W3OO	Allison Park, PA	-	-
22,873	Chrisman, Elmer	N6GZB	Santa Maria, CA	Dave Kreiss	W6ELH
11-01-89	22,874 Rand, Arnold H	W2NYU	Winthrop, ME	-	-
11-03-89	22,875 Leach, Francis K	N5MJE	Gainesville, TX	El Charlton	W5MD
	22,876 Ward, Larry L	W5AVZ	Baton Rouge, LA	El Charlton	W5MD
	22,877 Eriksen, Erik	W2NZV	Garden City, NY	Bob Wexelbaum	W2ILP
11-06-89	22,878 Walker, Embert D	KOJIH	Universal City, TX	Louis J. Kocurek, Jr.	W5VIV
	22,879 Davis, Wyatt	K4BKQ	Saint Petersburg, FL	J F Strom	K9BSL
	22,880 Lawrence, William J	W3NHQ	Trafford, PA	-	W3DM
11-07-89	22,881 Coil, Allen L	KO9S	Hudson, WI	-	-
	22,882 Fordham, Stephen C Jr.	K2HPN	Sun City West, AZ	Ruth Chance	K5YL
	22,883 Reed, R Michael	K0UP	Oak Ridge, NJ	-	-
	22,884 Carter, William G	W6AJ	Los Angeles, CA	-	-
	22,885 Almond, Larry Joe	K4MGA	Albemarle, NC	-	-
11-10-89	22,886 Miller, Ornon H	W0KNO	Fenton, MO	-	-
	22,887 Akers, Jimmy D	W5VZF	Starkville, MS	-	-
	22,888 Rinks, Marcus E	K4LYG	Mt Juliet, TN	Ethel Smith	K4LMB
11-14-89	22,889 Malasky, Richard N	K3TPU	Lawrence, PA	Edward C Gammeter	-
	22,890 Thompson, John R	K6OHM	Anaheim, CA	Archie Willis	W6LPJ
	22,891 Spingarn, Kenneth H	WB2BFB	Madison, NJ	W E Heineman	W2QR
11-15-89	22,892 Burns, David W	WA3WHR	Derwood, MN	Perry Crabill	W3HQX
	22,893 Sidler, Vernon L	AA6AR	Hiwassee, AR	-	-
11-16-89	22,894 Crum, Gary M	KE9RB	Indianapolis, IN	Walter Schleicher, Jr	WM2Z
	22,895 Conrey, Joseph E	WD2X	Holbrook, NY	Harry Moore	W2JQS
	22,896 Blom, Jeffrey R	WB2GSM	Middle Island, NY	-	K3WAC
	22,897 Keyser, Morton	N3MK	Kennett Square, PA	Ruth Chance	K5YL
11-21-89	22,897 Zyara, Michael A Jr	KV1M	Stamford, CT	Ruth Chance	K5YL
	22,899 Heck, E Hugh	KC5OJ	San Antonio, TX	-	-
	22,900 Hooper, Thomas E	W1RFL	Enfield, CT	-	W1FXQ
	22,901 Cappels, Jack Louis	W2COQ	Greenlawn, NY	H F Milatz	W2TLC
	22,902 Hellmann, Joseph V	W2YY	Middle Village, NY	Leland Smith	W5KL
	22,903 Streger, Bruce	WB2ADF	Farmingville, NY	H F Milatz	W2TLC
	22,904 Hubbard, Frank C	K1FTY	West Hartford, CT	Al Cohen	W1FXQ
	22,905 Phoenix, Ronald L	N9BA	Macomb, IL	Lee Bergren	W0AR
	22,906 Hill, Ronald W	WB3KMX	Chester, MD	Walt Brink	W3WPY
11-22-89	22,907 Woirhay, Russell	K0VXU	Stilwell, KS	Bill McGrannahan	K0ORB
	22,908 Egerton, George L	K1FWK	Enfield, CT	-	-
	22,909 Clayton, Harold M	W4EJY	St Petersburg, FL	Wes Randles	W4COW
	22,910 Ault, Bruce E	AA4XR	Tampa, FL	-	-
11-27-89	22,911 Batsel, Roger B	N4VJP	Bowling Green, KY	Ted Heithecker	W5EJ
	22,912 Knight, Norma L	K1WXF	Beverly, MA	Onie Woodward	W1ZEN
	22,913 Delaney, Larry	K9PSV	Simpsonville, SC	J R David	W4YK
	22,914 McNamara, Ruth M	K1RZO	Lowell, MA	Onie Woodward	W1ZEN
	22,915 McNamara, Francis	K1VKT	Lowell, MA	Onie Woodward	W1ZEN
	22,916 Ketler, Harry	W1DGD	West Bridgewater, MA	-	-
	22,917 Athey, R John	VE3GS	Chelsea, PQ	-	-
11-28-89	22,918 Clymer, Kenneth L	NK3Y	Telford, PA	Wilmer Shaw	W3BUR
11-29-89	22,919 Wagner, Edward	W3HER	Allentown, PA	-	W3TDF
	22,920 Lampkin, Donald	WA2HMB	North Babylon, NY	J J Aultman	W2DX
11-30-89	22,921 Curry, Harold J	K0EWX	Overland Park, KS	Lyle B Irwin	W0US
	22,922 Jones, Jay	K1EQA	Agoura Hills, CA	-	-
12-01-89	22,923 Rickards, Robert L	WA3GGM	Salisbury, MD	T Allen Phillips	W3DOG



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MEMBERS NEWLY ENROLLED IN QCWA

22,935	Hexamer, Homer L	AB4O	Eustis, FL	-	-
22,936	Ellis, Arthur M	KB0BET	Stormlake, IA	Robert Beals	-
22,937	Nagel, John K	W7AQE	Camp Sherman, OR	-	-
22,938	Beraducci, Sam	W2IWB	New Port Richey, FL	Ruth Chance	K5YL
22,939	DeKiep, Lawrence Roger	K8IFU	Coopersville, MI	-	-
22,940	Simpson, Robert L	WA4SLF	Istachatta, FL	Jim Gundry	W4JM
12-08-89	Smith, Helen D	WA5WAR	Jasper, AR	Jim Walsh	W7LWN
22,941	Menefee, Robert E	K7HQR	Glendale, AZ	Bert F Ayers	W6CL
22,942	Hall, James R	KC8JV	Miamisburg, OH	Lou Lang	W8KOO
22,943	Smith, Clifford J	KF8K	Oregon, OH	Robert N Hanna	K8ADK
22,944	Mulligan, Wayne G	K1CBI	Windsor, CT	-	-
22,945	Etter, J Marshall	W2ER	East Quogue, NY	JJ Altman	W2DX
12-11-89	Landers, Ralph L	WA6LGV	Spring Valley, CA	Corey G Cook	K6ACY
12-12-89	Campbell, Bruce W	WA8OJR	Port Huron, MI	Ruth Chance	K5YL
22,946	Willis, David	NZ0R	Thief River Falls, MN	Ruth Chance	K5YL
22,947	Gorsline, George W	VE3FIU	Toronto, On	-	-
12-14-89	Bergeron, Corrie J Sr	W5FOR	Tyler, TX	Cecil Cammack	W5RRM
22,950	Winslow, Donald S	W1JD	Poland Spring, ME	-	-
12-18-89	Crist, John L	WA5RSS	Dallas, TX	Barney Moffatt	W5CJZ
22,951	Avant, Vernon E	W4NVS	Naples, FL	-	-
12-19-89	Heslop, Michael W	WW8G	Dublin, OH	Ruth Chance	K5YL
22,952	Bridge, Barton M	W2ZYQ	Largo, FL	-	-
22,953	Dykens, Joseph M	W1JBD	Arlington, MA	-	-
22,954	Harris, Alton Curtis	W2IQA	Roswell, GA	Judson Watley	W4NZJ
22,955	Hellmann, Carl S	KC4ISO	Punta Gorda, FL	Robert Bookwalter	W4NWF
12-20-89	Jensen, David L	WA6HXF	Montrose, CA	-	-
12-26-89	Mandel, Harold B	KA1XO	Concord, NH	Ted Everett	W1ALE
22,960	Maxwell, Max	K5PP	New Orleans, LA	J Wondergem	K5KR
22,961	Assaf, David III	WA5LMH	Baton Rouge, LA	George Gelpi	K5RGI
22,962	Nelson, Wendell L	K0QPP	Eagle River, AR	-	-
22,963	Bender, Jack E	K8TUY	Kettering, OH	Bob Green	K8JXE
22,964	Wagner, David R	K8DW	Oregon, OH	Robert N Hanna	-
22,965	Myers, Joseph Herman	KD4A	Pelham, AL	Ruth Chance	K5YL
12-27-89	Bishop, James F	WA8HSM	Gainesville, FL	Ruth Chance	K5YL
22,966	Morley, Myrvan R	W7CFF	Elko, NV	Bill Vaughan	W7CKD
12-28-89	Payne, James G	K5FOC	Cleburne, TX	-	-
01-02-90	Sitton, Sam C	KV5X	Ardmore, OK	-	-
22,972	Yasolt, Stanley C	K8LZE	Pinconning, MI	-	-
22,973	Hill, Ralph O	W1ISU	Tavares, FL	Harold E Beaver	W8HZF
22,974	Luckey, Norman V	K7ZZM	Big Water, UT	Bill Vaughan	-
22,975	De Petris, William Carl	K8QZU	Mayfield Heights, OH	-	-
22,976	Duncan, Ronald C	KD4FQ	Soddy, TN	-	-
22,977	Brown, Wayne G	N4FP	Greensboro, NC	John Kanode	N4MM
22,978	Batchelder	K8QP	Wyoming, MI	-	-
22,979	Baer, George	K7GB	Salt Lake City, UT	Doug Butler	WA8GVK
01-03-90	Heimbuck, Erwin C Jr	K0OTZ	Scottsdale, AZ	Lee Renstrom	W7FSC
22,980	Fowler, L Clare	VE3NPC	Ottawa, ON	-	WOHOJ
22,981	Kardos, Julius G	N2JBW	Perth Amboy, NJ	-	-
22,982	Swafford, James Eugene	W7FF	Tucson, AZ	George C Miller	K2FD
01-04-90	Jacobs, Walter	DK1BJ	Neu-Ulm, West Germany	Clement K Chase	W7JGU
01-05-90	Edwards, Albert Dennis	WA8LFU	Union Lake, MI	-	-
01-08-90	Withkowski, M Lorraine	WA1EDR	Windsor Locks, CT	Len Kerzka	W8IHX
22,986	Kington, William H Jr	WA4YCF	Madisonville, KY	Leonard Witkowski	K1QPS
22,987	Dobbs, John A	WA5OLU	Baton Rouge, LA	-	-
22,988	Bailey, Walter H	K4RWP	Johnson City, TN	El Charlton	W5MD
22,989	Plasman, Stephen K	K0IMA	Edina, MN	Benjamin L Lowe	K4QF
01-09-90	Feely, Duane L	W0KVA	Douglas, AZ	-	-
22,991	Fields, Fred R	NS3D	Altoona, PA	Ruth Chance	K5YL
01-10-90	Stock, Alexander	KW5P	Tyler, TX	Cecil Cammack	W5RRM
22,992	Mitro, John	N2JFA	Stanhope, NJ	Hammie Richardt	W2WIY
22,993	Zilliox, Peter C	K5PZ	Dallas, TX	J L Kennedy	W5DJ
22,994	Crook, E D	N5LST	Dallas, TX	Tiger Nietmann	WB5MRB
22,995	Keelan, Leo F	WT5N	Waco, TX	George M Erickson	W5POG
22,996	Cutcher, Marv D	N4ODW	Eustis, FL	George H Sutcliffe	K1MCY
22,997	Cutcher, Ruth C	KK4SL	Eustis, FL	George H Sutcliffe	K1MCY
01-11-90	Ciard, Paul D	WA2DSN	Marlboro, NJ	R W Anderson	W7KCJ
23,000	Phelps, Richard W	K7TPN	Port Townsend, WA	-	-



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MEMBERS NEWLY ENROLLED IN QCWA

12-05-89	22,924	Wirth, Luther H	N4COB	Eustis, FL	Harold E Beaver	-
	22,925	Owens, Lee H	W6IFW	Atchison, KS	-	-
	22,926	Enstrom, Howard L	KF4FX	Mount Dora, FL	George Sutcliffe	K1MCY
	22,927	Raisbeck, Michael N	K1TWF	Chelmsford, MA	-	-
	22,928	Cohen, Laurie	K1ETK	Kennebunk, ME	Ted Heithecker	W5EJ
	22,929	Gathercole, Herbert H	K1BI	Mount Dora, FL	-	-
	22,930	Leslie, Craig W	W8KNZ	Leesburg, FL	-	-
	22,931	Crown, Gary L	AB6S	Santa Barbara, CA	-	-
	22,932	Dutton, Dennis M	KI4FV	Tavares, FL	-	K3NON
	22,933	Smith, Stanley L	WA8NZE	Canton, OH	-	-
12-06-89	22,934	White, Edward J	WA3BZT	Bear, DE	-	-
01-12-90	23,002	Werner, Norman P	K8NEO	Parma Heights, OH	-	-
	23,003	Noon, Clifford O	WA8EZS	Lyndhurst, OH	-	W8LYD
	23,004	Essig, George D	WA7KSW	Hornbrook, CA	-	-
	23,005	Gosa, Lloyd	WB8TNC	Comstock, MI	-	W4HU
	23,006	Hoff, James T	NR6O	Long Beach, CA	Alan Halberg	K6PQZ
	23,007	Hewitt, David H	WB9YOT	Bristol, WI	Robert N Jensen	W0WLW
01-15-90	23,008	Schwadron, Abraham	WB2RGQ	Rego Park, NY	H F Milatz	W2TLC
	23,009	Nienhaus, John W	WA9NJB	Bayonet Point, FL	-	W9TAL
	23,010	Van Note, Gerald E	WB2UZT	Amarillo, TX	-	-
	23,011	Norman, Roger W	WA8QAA	Gobles, MI	-	-
	23,012	Brown, Ruth	K7WRS	Casper, WY	Jim Anderson	W7TVK
	23,013	Debicki, Alfred F	K4PZV	Highland Beach, FL	-	-
	23,014	Lanning, George R	KB6LE	Olympia, WA	-	-
	23,015	Burns, James H	K9ERO	Cleveland, WI	-	W9ODV
01-16-90	23,016	Webb, John G	W6RCW	Auburn, CA	-	-
	23,017	Hinkelmann, Joseph J	K3CES	Harrisburg, PA	Glenn Kurzenknabe	K3SWZ
	23,018	Marote, Alan R	WA1LBG	Wareham, MA	Ethel Smith	K4LMB
	23,019	Helwig, Dean S	W3BTE	Carlisle, PA	Glenn Kurzenknabe	K3SWZ
	23,020	Tanner, Henry W	W6EMK	Sacramento, CA	-	-
01-19-90	23,021	Hart, Arthur H	W5WD	Mena, AR	Esther Given	W6BDE
	23,022	Schweizer, Richard T	WB2PCF	Monroe, NY	-	-
	23,023	Rosenblath, Q T Jr	W4PGC	Mobile, AL	-	-
	23,024	Hanemann, Herman A	W3OBY	New Cumberland, PA	Glenn Kurzenknabe	K3SWZ
	23,025	Diefenthaler, Homer B	WB8ZKF	Maumee, OH	Robert Mitchell Taylor	W8CBA
	23,026	Tastad, Jerry D	KB7M	Laramie, WY	Ruth Chance	K5YL
	23,027	Hess, Robert L	N6SZB	San Pedro, CA	Ray A Furlong	W6QIL
01-23-90	23,028	Wade, Leonard M III	WA6YEM	Saratoga, CA	Ruth Chance	K5YL
	23,029	Sykes, Robert A Jr	KT6M	Lakewood, CA	Raymond A Furlong	WA6TBB
	23,030	Derr, Walter N	W3GUQ	Harrisburg, PA	Glenn Kurzenknabe	K3SWZ
	23,031	Jester, Velma L	WA5MEE	Hobart, OK	-	-
	23,032	Mason, Francis M	W4TIC	Lakeland, FL	Jim Gundry	W4JM
	23,033	Davis, John W	W3RPO	Chambersburg, PA	Glenn Kurzenknabe	K3SWZ
01-24-90	23,034	Palow, Norman S	N9ISE	Kankakee, IL	Ruth Chance	K5YL
	23,035	Towns, George Lloyd	VE3NIJ	Agincourt, ON	-	-
	23,036	Matyjaszek, Elaine M	KA8KAK	Boon, MI	Currin L Skutt	W8FSZ
01-25-90	23,037	Williams, John W	K4MSK	Easley, SC	John R Miller	W0IKT
	23,038	Myers, Jenny M	WA4NGV	Charleston, SC	Bryce N Myers	K4LXF
	23,039	Lind, Edward Allen	K3VRS	Baltimore, MD	Clifford Paterno	W2PPT
02-08-90	23,040	Chadwick, Thomas L	N4NEC	Vero Beach, FL	-	-
01-25-90	23,041	Walker, James R	W1WJZ	Concord, MA	Onie Woodward	W1ZEN
	23,042	Remhof, Jerry L	W0CI	Urbandale, IA	-	-
	23,043	Mann, Bill	W1KX	Pittsfield, ME	-	-
01-26-90	23,044	Ehlers, William W	N3WE	Lusby, MD	-	W3EPR
	23,045	Taylor, Steve	W6FL	Los Osos, CA	-	-
	23,046	Rathvun, Irving E Jr	WA5RDA	Prentiss, MS	El Charlton	W5MD
	23,047	Walker, Robert I	W5RLK	Baton Rouge, LA	George Gelpi	K5RGI
01-28-90	23,048	Hoglen, Wilburn C	W4LAD	Maryville, TN	Robert S Embry	W4HHQ
01-29-90	23,049	McPherson, James A	WB6MDA	San Jose, CA	-	-
	23,050	Wiese, Roy W	W1HJV	Sedona, AZ	J J Schueler	K7QV
	23,051	Scheller, Russell F	K3GCI	Altoona, FL	Frank L Fugle	-
	23,052	Fishelson, Robert	K9GEI	Fond du Lac, WI	-	-
	23,053	Riniker, Raymond W	W3SWC	Lewes, DE	Edward R Hill	W3FEG
	23,054	Sullivan, Jerry R	KD3AF	Capitol Heights, MD	Eunice Gordon	W1UKR
	23,055	Hill, Robert A	NK3W	N Linthicum, MD	-	-
	23,056	Rich, Leonard G	KC1AO	W Hartford, CT	Milton E Chaffee	W1EFW
01-30-90	23,057	Waller, Alan L	K3TKJ	Hurlock, MD	Walt Brink	W3WPY



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LAST BUT NOT LEAST!

This page is dedicated to those who send copy too late and, to save the Editor's life, who has forgotten something!

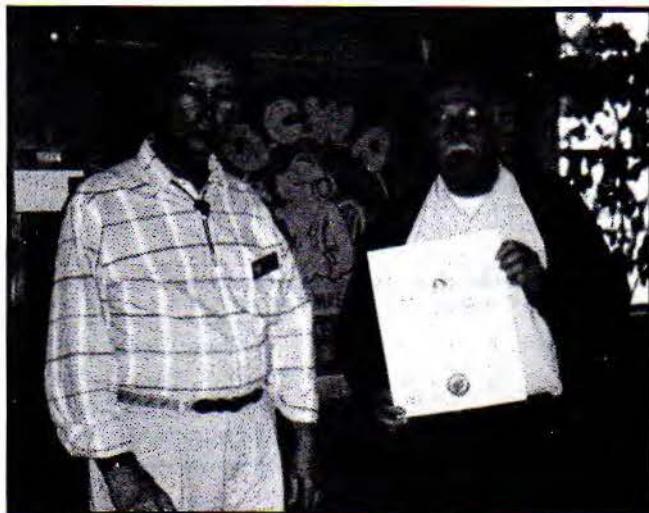
BATON ROUGE CHAPTER No. 109

El Charlton, W5MD
1533 Outrigger Dr, Baton Rouge, LA 70816

Our Baton Rouge Chapter 106 had a great meeting at Podnah's Bar B-Que restaurant in Baton Rouge Saturday, February 10, 1990. 23 members, 13 XYLs and 2 guests were present for a total of 38. The food was great and a lot of ragchewing went on even after the meeting was officially adjourned. El, W5MD, Chapter President had the honor of presenting Golden Anniversary Certificates to Jack Shelton, W5IQM and to Steve Dart, W5IVZ. Congrats to you two! We welcomed our newest member, John Dobbs, WA5OLU into QCWA and to Chapter 109. Our Chapter VP, W5URR, gets a big vote of thanks for the superb batch of pecan pralines he made and brought to the meeting. Boy, did that box empty in a hurry! A door-prize was given to a member and to an XYL. Member winner was Louis, K5FZM and the ladies prize was given to Bess, XYL of Cliff, W5DHE.

We will be publishing our Chapter newsletter on a regular quarterly basis starting this year.

Our on the air meetings are held each Sunday morning at 8:30AM local time. Frequency is 3905 kHz. We cordially invite any and all QCWA members to check in with us.



In the picture above, El Charlton, W5MD, at left presents the Golden Certificate
Steve Dart, W5IVZ!

There have been suggestions that the Journal should have some material which could be classified as educational. Beginning with the Summer, 1990 edition, we will begin a series of semi-technical items. The first will prepare us for the study of how to match loads. A bit of simple arithmetic, then a simple discourse on imaginary quantities, matching networks, SWR, Smith Charts and so on. These will not be much above basic high-school level projects. Watch for the first one! They won't be exhaustive!

MEMBERSHIP RESEARCH GROUP

QCWA is most fortunate to have the valued assistance of four very active, highly qualified and motivated members who contribute a great deal of their time to getting QCWA records into the most accurate condition.

These members are:

Ralph Cabanillas, W6JL
John Harvey Chase, W4TG
Robert B. Wright, W4OZF
John Miller, W0IKT

These dedicated members have worked tirelessly, and continue to spend a large number of hours working on QCWA record matters. The progress made in this area during the past 5 years is due entirely to their support. QCWA Salutes them!

THE ITU AND W4ZC

Several months ago we began preparing to publish a series of essays on the achievements of Distinguished figures in Science being authored by QCWA Director Hugh Winter, W5HD. We called upon John, W4ZC, for help in finding illustrations of those about whom Hugh was writing. Well, John knew just what to do and went after it. We have, through his cooperation, just received photocopies of a series of beautiful engraved portraits of Distinguished Figures in the Telecommunication World which have been prepared by the ITU. Mr. M. Richard C. Kirby, Director, CCIR transmitted the engravings which will become a valued part of QCWA Archives. The illustrations will begin to appear in connection with Hugh Winters essay to be published in the Summer, 1990 issue of the QCWA Journal.

Our thanks go to Richard Kirby, the ITU Library and to John Kelleher!

- Editor -

YOUR QCWA BOARD OF DIRECTORS
WILL MEET IN SESSION
APRIL 20 - 21, 1990

If you have ideas, questions, suggestions, now is the time to tell your Board. Contact any Officer/Director with your thoughts - in writing is best, if possible!

CERTIFICATES AVAILABLE

MEMBERSHIP CERTIFICATES numbered in serial order are issued to each member. Numbers are not re-issued except to the same member to whom they were first issued.

QCWA GOLD CERTIFICATES celebrate the 50th anniversary of licensing. Issued without charge to eligible members upon proof of year of first license.

GOLDEN CERTIFICATE ENDORSEMENTS for the GOLD certificate, in five year increments - 55, 60, 65, 70, 75 year stickers. Free of charge to eligible members.

50-YEAR CONTINUOUS LICENSING Gold certificate available to eligible members. Requires submission of proof licensing. There is a \$5 fee. Applications available from QCWA Headquarters.

QCWA CENTURY CLUB CERTIFICATE is issued to QCWA members whose age, when added to their number of years as a QCWA member, totals 100 or more. No charge for the Certificate.

MERITORIOUS AWARD is issued by Headquarters, upon request of any active QCWA Chapter. One such award for each Chapter each year. The Award may be given to recognize unusual dedication to QCWA or Amateur Radio. There is no charge for the Award.

OPERATING AWARD CERTIFICATES

QCWA Operating Award Certificates are issued to QCWA members by the activities manager. Proof of eligibility is required.

QCWA WORKED 50 STATES awards are issued to QCWA members who have contacted members in each state of the Union.

QCWA WORKED 100 MEMBERS awards are issued to QCWA members who have contacted at least 100 QCWA members.

QCWA WORKED 60 CHAPTER awards are issued to QCWA members who have contacted members of 60 chapters.

QCWA WORKED 500 MEMBERS awards are issued to QCWA members who have contacted 500 QCWA members.

In addition, plaques are awarded to the highest scoring members for both phone and CW QSO Parties. Runners up receive certificates.

MEMBERSHIP SUPPLIES

QCWA Lapel pins, gold plated, with call engraved, clutch, safety-pin or button type. These pins do not have year tags!

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QCWA embroidered emblem	\$5.00
270 QCWA Red stamps (regular)	\$ 2.50
270 QCWA Gold stamps (Life)	\$ 2.50
240 QCWA Yellow Stamps (50-yr)	\$ 2.50
QCWA Logo on rubber stamp	\$ 6.50
QCWA Cap with Logo	\$ 5.00
QCWA Chapter Banner	\$120.00
QCWA pays half of first banner	\$60.00
QCWA Decals	\$ 1.00

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MAY 5, 1990

QCWA JOURNAL, SPRING, 1990
Volume 39, No. 1

ADDRESS CORRECTION REQUESTED

Courtesy of the NL7XM Collection